


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING							FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>						
APPLICATION FOR PERMIT TO DRILL							1. WELL NAME and NUMBER Kendall 15-17-3-1E						
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>							3. FIELD OR WILDCAT INDEPENDENCE						
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO							5. UNIT or COMMUNITIZATION AGREEMENT NAME						
6. NAME OF OPERATOR CRESCENT POINT ENERGY U.S. CORP							7. OPERATOR PHONE 720 880-3621						
8. ADDRESS OF OPERATOR 555 17th Street, Suite 750, Denver, CO, 80202							9. OPERATOR E-MAIL abaldwin@crecidentpointenergy.com						
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>						
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Mike Kendall							14. SURFACE OWNER PHONE (if box 12 = 'fee') 801-546-2230						
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1638 E. Gordon Avenue, Layton, UT 84040							16. SURFACE OWNER E-MAIL (if box 12 = 'fee')						
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>				19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		925 FSL 541 FEL		SESE		17		3.0 S		1.0 E		U	
Top of Uppermost Producing Zone		658 FSL 1979 FEL		SWSE		17		3.0 S		1.0 E		U	
At Total Depth		658 FSL 1979 FEL		SWSE		17		3.0 S		1.0 E		U	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 541				23. NUMBER OF ACRES IN DRILLING UNIT 40						
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 920				26. PROPOSED DEPTH MD: 9351 TVD: 9307						
27. ELEVATION - GROUND LEVEL 5018			28. BOND NUMBER LPM9080271				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-12534						
Hole, Casing, and Cement Information													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight			
COND	24	16	0 - 40	65.0	H-40 ST&C	8.3	No Used	0	0.0	0.0			
SURF	12.25	9.625	0 - 2000	36.0	J-55 ST&C	8.3	Class G	435	2.5	12.0			
							Class G	315	1.15	15.8			
PROD	7.875	5.5	0 - 9351	17.0	N-80 LT&C	10.0	Light (Hibond)	285	3.82	11.0			
							Class G	550	1.65	13.1			
ATTACHMENTS													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Kristen Johnson				TITLE Regulatory Technician				PHONE 303 308-6270					
SIGNATURE				DATE 12/16/2014				EMAIL kjohnson@crecidentpointenergy.com					
API NUMBER ASSIGNED 43047551310000				APPROVAL  Permit Manager									

Crescent Point Energy U.S. Corp

Kendall 15-17-3-1E

SHL: SE/SE of Section 17, T3S, R1E, USB&M

BHL: SW/SE of Section 17, T3S, R1E, USB&M

SHL: 925' FSL & 541' FEL

BHL: 658' FSL & 1979' FEL

Uintah County, Utah

DRILLING PLAN1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD	Depth-MD
Uinta	Surface	Surface
Upper Green River Marker	4686'	4895
Mahogany	5227'	5528
Garden Gulch (TGR3)	6466'	6810
Douglas Creek	7333'	7677
Black Shale	7782'	8126
Castle Peak	7911'	8255
Uteland	8196'	8540
Wasatch	8307'	8651
TD	9307'	9651

3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil) 4,686' TVD – 8,307' TVD

Wasatch Formation (Oil) 8,307' TVD – 9,307' TVD

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by DOGM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the DOGM prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the DOGM. The DOGM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
Conductor 16" Hole Size 24"	0'	40'	65	H-40	STC	1,640	670	439	API
Surface casing 9-5/8" Hole Size 12-1/4"	0'	2,000'	36	J-55	STC	2,950 810 3.64	1,370 1,117 1.22	244,000 48,000 5.08	API Load SF
Prod casing 5-1/2" Hole Size 7- 7/8"	0'	9,651'	17	L-80	LTC	7,740 6,200 1.25	6,290 4,940 1.27	348,000 164,000 2.06	API Load SF

Assumptions:

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 10.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

Minimum Safety Factors:

Burst = 1.000
 Collapse = 1.125
 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer per joint on the bottom three joints.

Cementing Design:

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft ³ /sk)
Surface casing Lead	1500' - surface	Class V 2% chlorides	75%	435	12.0	2.5
Surface casing Tail	2000' – 1500'	Class V 2% chlorides	75%	315	15.8	1.15
Prod casing Lead	4800' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	285	11	3.82
Prod casing Tail	TD to 4800'	Class G 10% chlorides	15%	550	13.1	1.65

*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The DOGM Roosevelt Field Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

The 9-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 9, "Sundry Notices and Reports on Wells" shall be filed with the DOGM within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing, depth of the

cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to $\pm 2000'$ with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in Section 12 of this plan.

From $\pm 2000'$ to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior DOGM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

When drilling the 12 ¼" surface hole, an annular diverter or rotating head will be used for well control.

A 3,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 3,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 3,000 psi minimum
- 11" bore, Blind Ram – rated to 3,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)
 - 2 Kill line valves at 2" minimum – one with a check valve

- Kill line at 2" minimum
- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to DOGM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 3,000 psi for 10 minutes with a test plug. If rams are to be changed for any reason post drillout, the rams will be tested to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have two independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be one source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 1100'. A cement bond log will be run from PBTD to top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

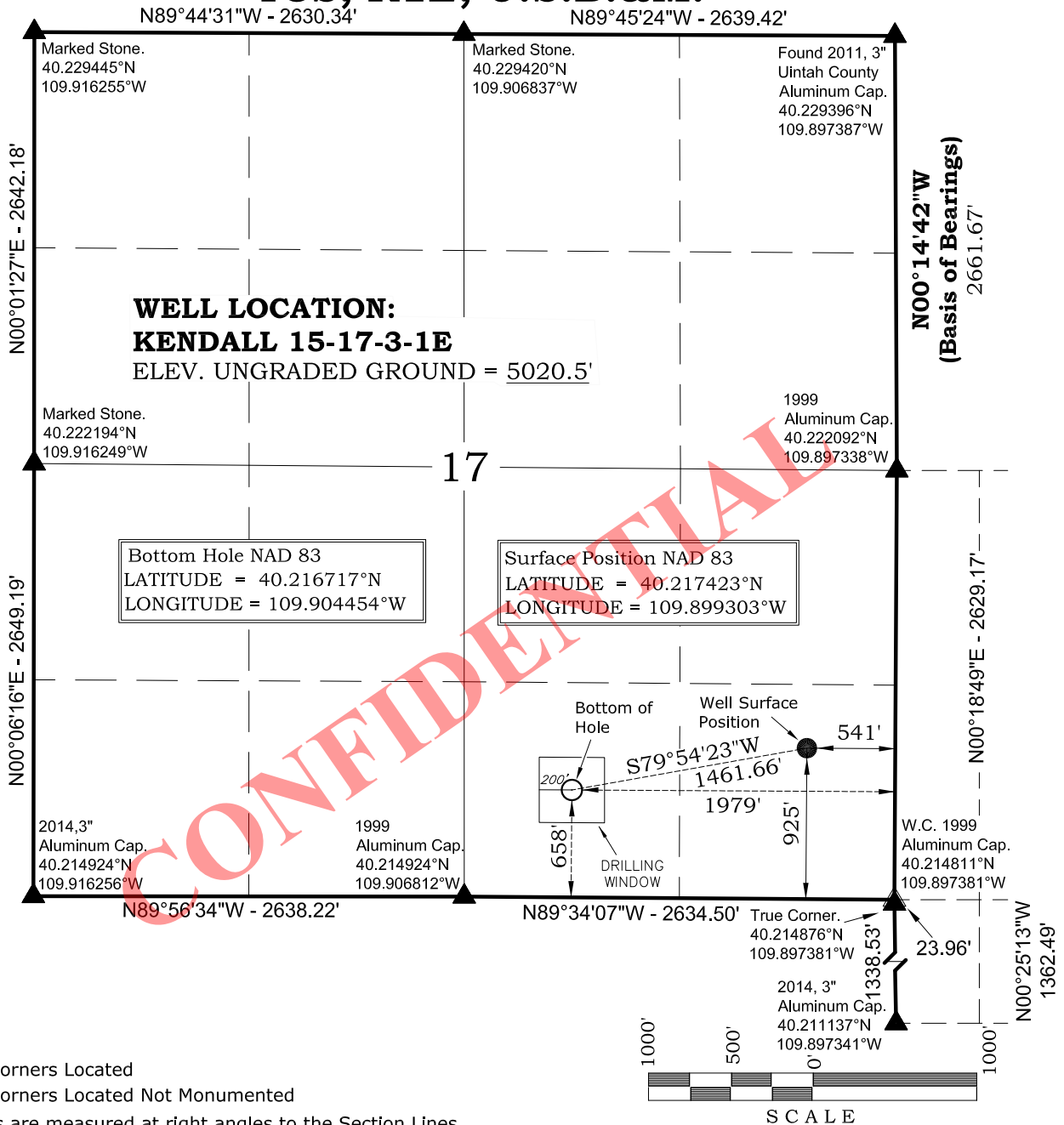
Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

11. Anticipated Starting Date and Duration of Operations

It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately ten (10) days from spud to rig release and two weeks for completions.

12. Variances Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100 ft and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

T3S, R1E, U.S.B.&M.**NOTES:**

- ▲ = Section Corners Located
- △ = Section Corners Located Not Monumented
- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings and distances shown on this plat are based upon a local Cartesian Grid which is oriented to Geodetic North at the SE Corner of Section 36, T3S, R1E, U.S.B.&M. the grid having a mean project height of 5,000'. Lineal units used are U.S. Survey Foot. Trimble G.P.S. equipment was used in performance of this survey.
- 3. Latitude and Longitude are NAD 83 (2011) Epoch 2010. Elevations are NAVD 88. Both derived from the Utah Virtual Reference Station Control System (VRS).

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

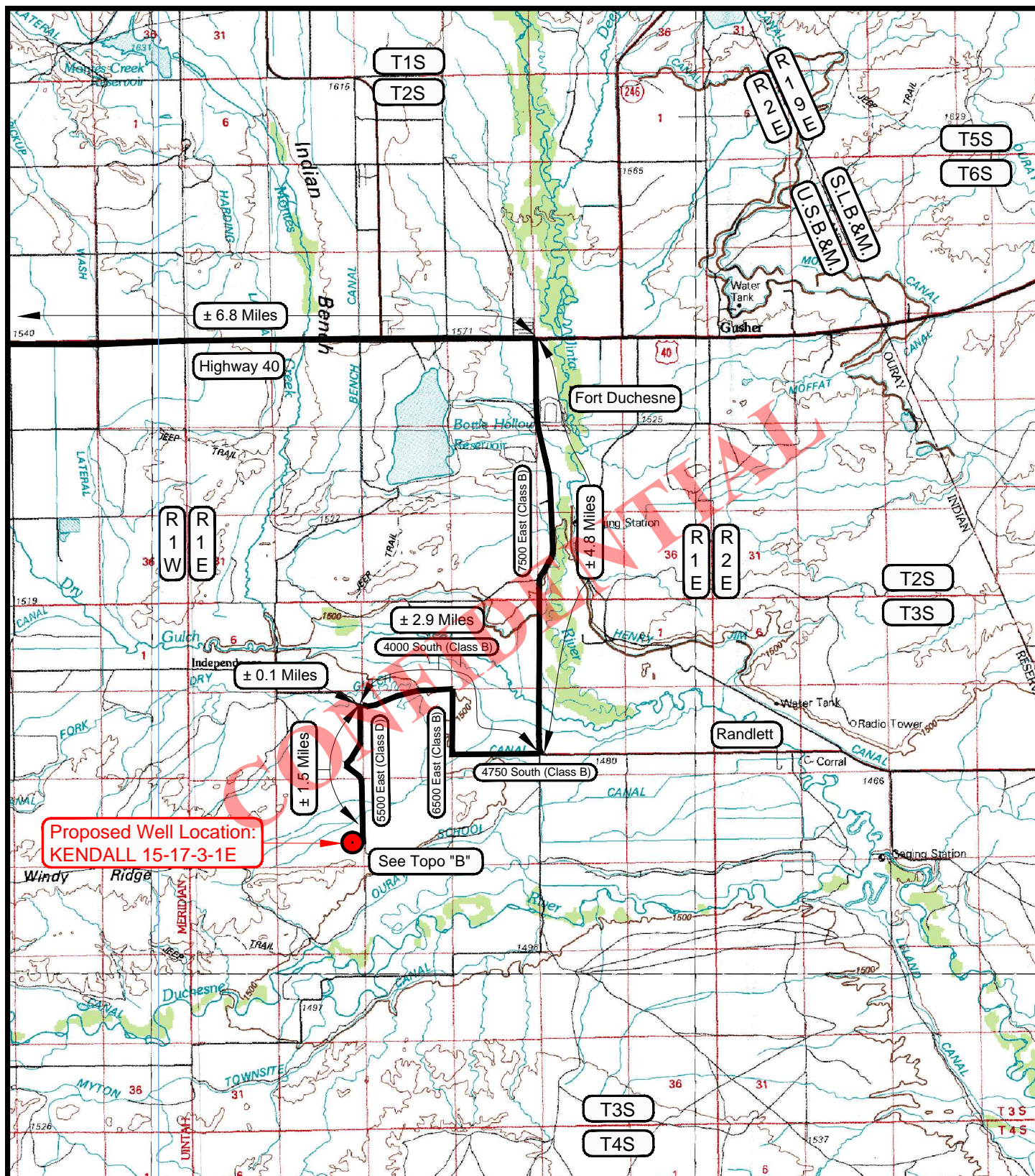
WELL PLAT**KENDALL 15-17-3-1E****658' FSL, 1979' FEL (Bottom Hole)****SW ¼ SE ¼ OF SECTION 17, T3S, R1E,
U.S.B.&M., UTAH COUNTY, UTAH.****TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO:
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	1
SCALE: 1" = 1000'	Date Last Revised:	OF 14

RECEIVED: December 16, 2014



LEGEND

PROPOSED ACCESS ROAD
 ■■■■ = SUBJECT WELL
 ■■■■ = OTHER WELLS
 — = EXISTING ROAD
 — = EXISTING ROAD (TO BE IMPROVED)

B-5460 = COUNTY ROAD CLASS
 & NUMBER

TOPOGRAPHIC MAP "A"

DATE SURVEYED: 10-1-14

DATE DRAWN: 10-16-14

SCALE: 1:100,000

DRAWN BY: S.A.

REVISED:

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL - KENDALL 15-17-3-1E

925' FSL & 541' FEL

LOCATED IN SECTION 17, T3S, R1E,
 U.S.B.&M., UINTAH COUNTY, UTAH.

TIMBERLINE

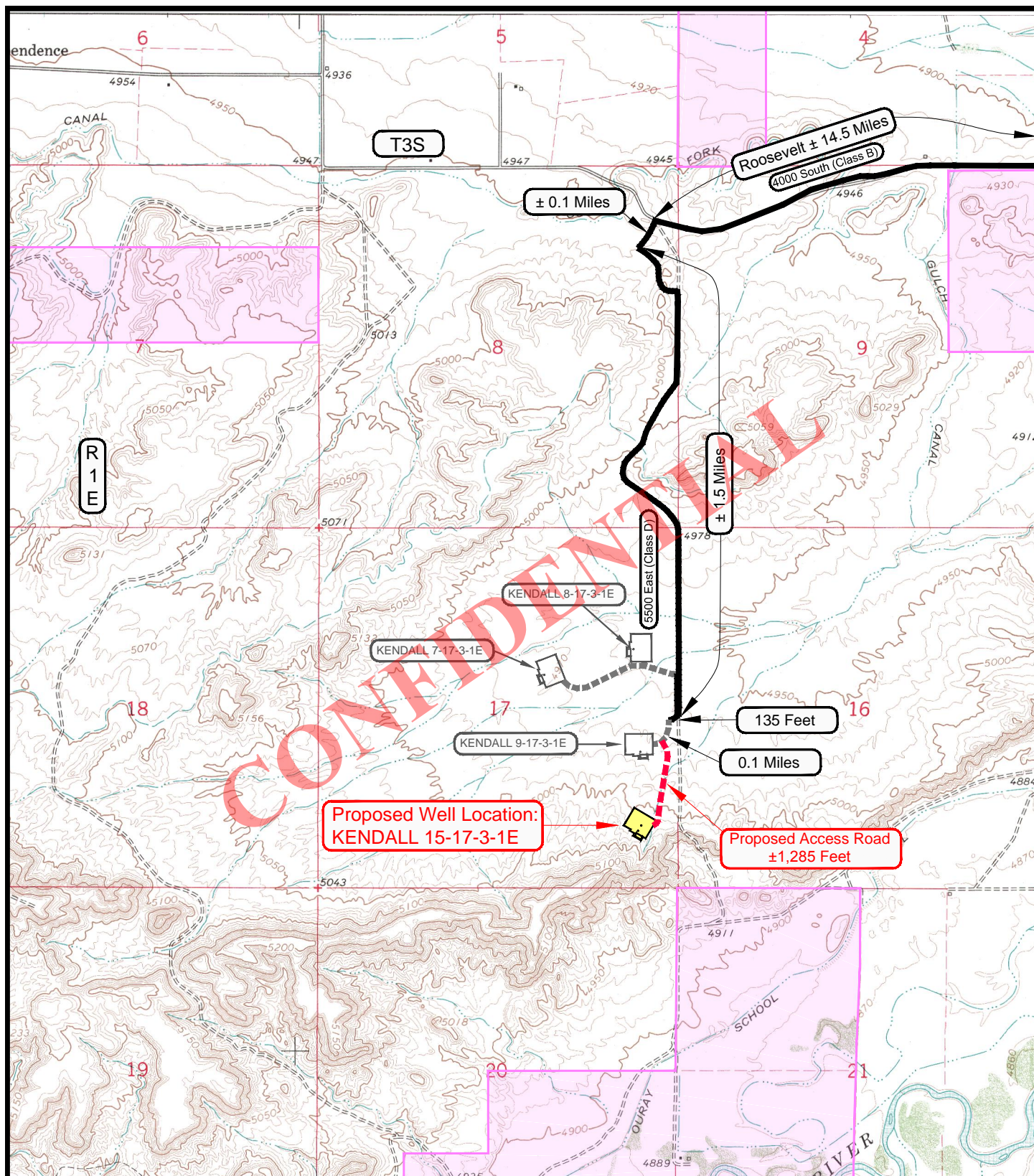
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 209 NORTH 300 WEST - VERNAL, UTAH 84078

SHEET

7

OF 14



LEGEND

- PROPOSED ACCESS ROAD
 ■■■■ = SUBJECT WELL
 ■■■■ = OTHER WELLS
 — = EXISTING ROAD
 — = EXISTING ROAD (TO BE IMPROVED)
 □ = PROPOSED WELL

- B-5460 = COUNTY ROAD CLASS & NUMBER
 — = LEASE LINE AND / OR PROPERTY LINE
 ■ = UTE INDIAN TRIBE
 ■ = FEE

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL - KENDALL 15-17-3-1E
925' FSL & 541' FEL
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UTAH COUNTY, UTAH.

TOPOGRAPHIC MAP "B"

DATE SURVEYED: 10-1-14

DATE DRAWN: 10-16-14

SCALE: 1" = 2000'

DRAWN BY: S.A.

REVISED:

TIMBERLINE

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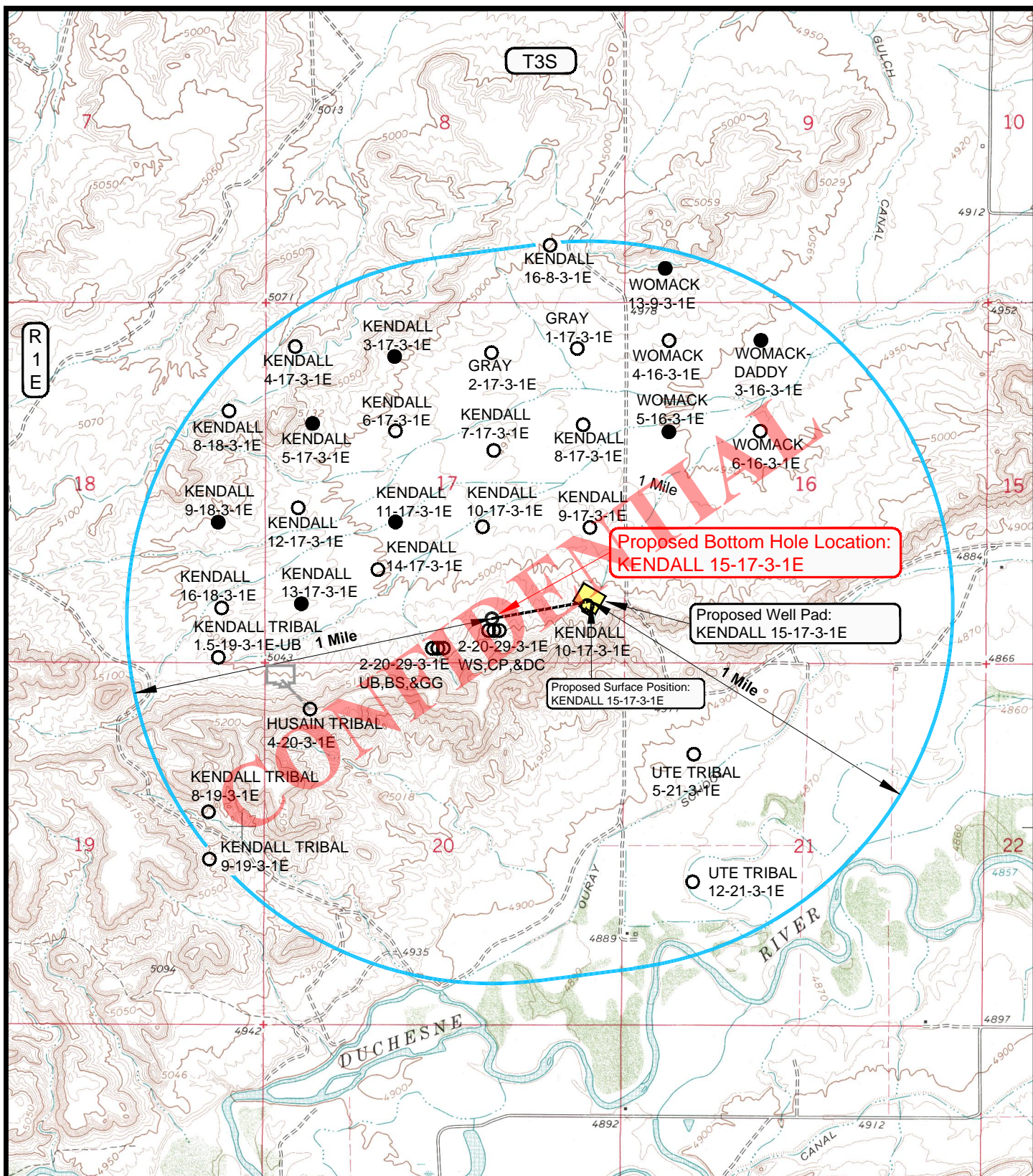
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RECEIVED: December 16, 2014



LEGEND

- | | |
|--------------------|--------------------------------|
| ○ = DISPOSAL WELL | ● = WATER WELL |
| ● = PRODUCING WELL | ● = ABANDONED WELL |
| ● = SHUT IN WELL | ● = TEMPORARILY ABANDONED WELL |
| ○ = PROPOSED WELL | ⊙ = ABANDONED LOCATION |

TOPOGRAPHIC MAP "C"

SCALE: 1" = 2000'

DRAWN BY: S.A.

DATE SURVEYED: 10-1-14

DATE DRAWN: 10-16-14

REVISED:

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL - KENDALL 15-17-3-1E
658' FSL & 1979' FEL (Bottom Hole)
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.

TIMBERLINE

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 209 NORTH 300 WEST - VERNAL, UTAH 84078

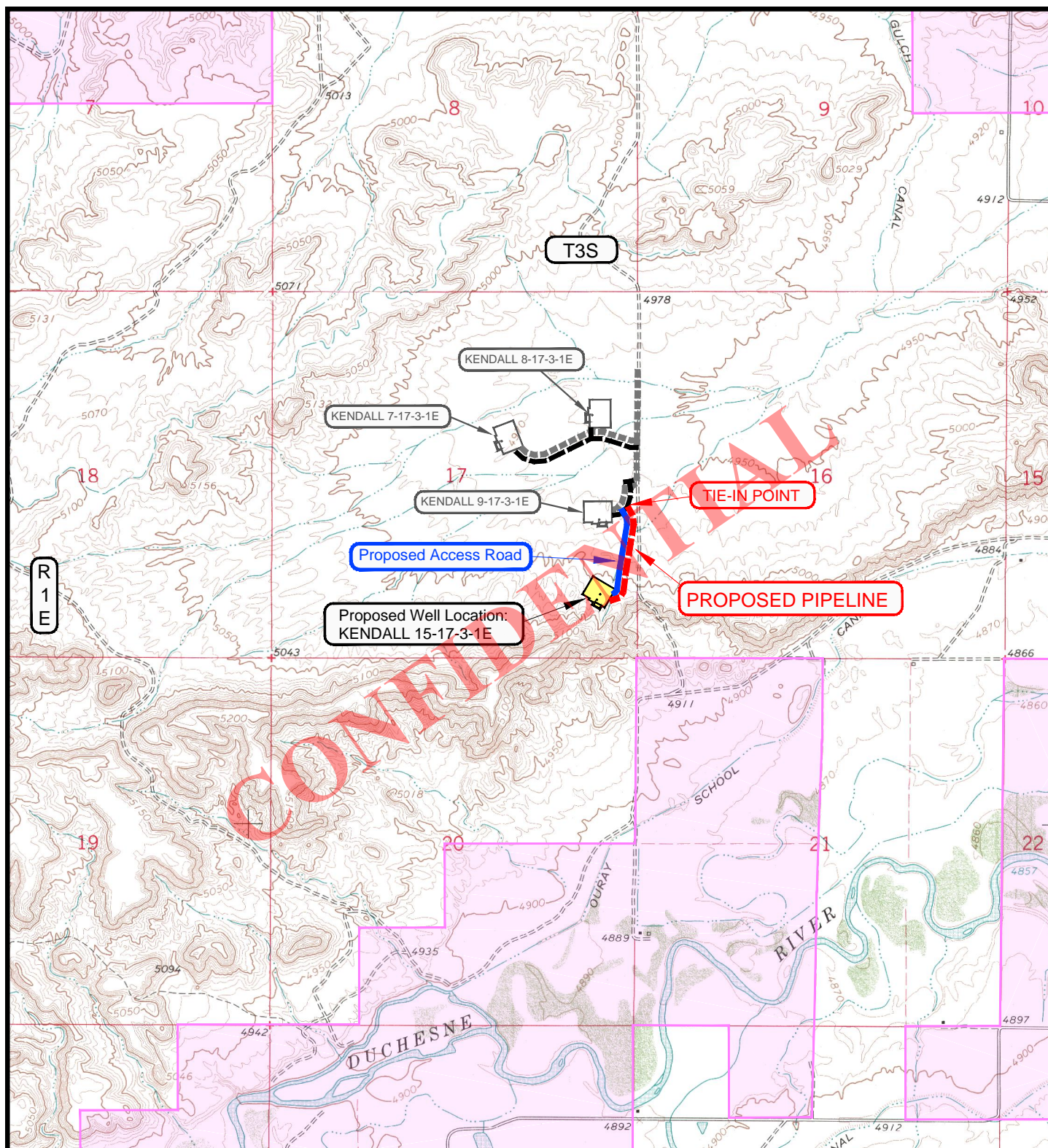
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APPROXIMATE PIPELINE LENGTH = ±1,335 FEET

LEGEND

- | | |
|--|--------------------|
| ---- = PROPOSED PIPELINE | = PROPOSED WELL |
| ---- = OTHER PIPELINE | = UTE INDIAN TRIBE |
| ---- = PROPOSED ACCESS ROAD | = FEE |
| = SUBJECT WELL | |
| ---- = OTHER WELLS | |
| ---- = LEASE LINE AND / OR PROPERTY LINE | |

TOPOGRAPHIC MAP "D"

SCALE: 1" = 2000'

DRAWN BY: S.A.

DATE SURVEYED: 10-1-14

DATE DRAWN: 10-16-14

REVISED:

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL - KENDALL 15-17-3-1E

925' FSL & 541' FEL

**LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.**

TIMBERLINE

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RECEIVED: December 16, 2014



Crescent Point Energy

Unitah County

Section 17 T3S, R1E

Kendall 15-17-3-1E

Wellbore #1

Plan: Design #1

Crescent Point Energy

01 December, 2014

CONFIDENTIAL





Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Utah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Project		Unitah County	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Section 17 T3S, R1E				
Site Position:		Northing:	7,251,921.91 usft	Latitude:	40° 13' 2.723 N
From:	Lat/Long	Easting:	2,087,388.03 usft	Longitude:	109° 53' 57.491 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.03 °

Well		Kendall 15-17-3-1E, SHL LAT: 40.217423 LONG: -109.899303				
Well Position	+N-S	0.0 usft	Northing:	7,251,921.90 usft	Latitude:	40° 13' 2.723 N
	+E-W	0.0 usft	Easting:	2,087,388.03 usft	Longitude:	109° 53' 57.491 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,036.3 usft	Ground Level:	5,018.3 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/30/2014	10.83	65.88	52,048

Design		Design #1		
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	259.87

Survey Tool Program		Date	12/1/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,650.7	Design #1 (Wellbore #1)	MWD	MWD - Standard	



Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Unitah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-5,036.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
100.0	0.00	0.00	100.0	-4,936.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
200.0	0.00	0.00	200.0	-4,836.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
300.0	0.00	0.00	300.0	-4,736.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
400.0	0.00	0.00	400.0	-4,636.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
500.0	0.00	0.00	500.0	-4,536.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
600.0	0.00	0.00	600.0	-4,436.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
700.0	0.00	0.00	700.0	-4,336.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
800.0	0.00	0.00	800.0	-4,236.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
900.0	0.00	0.00	900.0	-4,136.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,000.0	0.00	0.00	1,000.0	-4,036.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,100.0	0.00	0.00	1,100.0	-3,936.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,200.0	0.00	0.00	1,200.0	-3,836.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,300.0	0.00	0.00	1,300.0	-3,736.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,400.0	0.00	0.00	1,400.0	-3,636.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,500.0	0.00	0.00	1,500.0	-3,536.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,600.0	0.00	0.00	1,600.0	-3,436.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,700.0	0.00	0.00	1,700.0	-3,336.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,800.0	0.00	0.00	1,800.0	-3,236.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
1,900.0	0.00	0.00	1,900.0	-3,136.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
2,000.0	0.00	0.00	2,000.0	-3,036.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
2,100.0	0.00	0.00	2,100.0	-2,936.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
2,200.0	0.00	0.00	2,200.0	-2,836.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
2,300.0	0.00	0.00	2,300.0	-2,736.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
2,400.0	0.00	0.00	2,400.0	-2,636.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
2,500.0	0.00	0.00	2,500.0	-2,536.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03



Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Unitah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,550.0	0.00	0.00	2,550.0	-2,486.3	0.0	0.0	0.0	0.00	7,251,921.90	2,087,388.03
Start Build 2.00										
2,600.0	1.00	259.87	2,600.0	-2,436.3	-0.1	-0.4	0.4	2.00	7,251,921.81	2,087,387.60
2,700.0	3.00	259.87	2,699.9	-2,336.4	-0.7	-3.9	3.9	2.00	7,251,921.14	2,087,384.18
2,800.0	5.00	259.87	2,799.7	-2,236.6	-1.9	-10.7	10.9	2.00	7,251,919.79	2,087,377.34
2,900.0	7.00	259.87	2,899.1	-2,137.2	-3.8	-21.0	21.4	2.00	7,251,917.76	2,087,367.08
3,000.0	9.00	259.87	2,998.2	-2,038.1	-6.2	-34.7	35.3	2.00	7,251,915.07	2,087,353.43
3,100.0	11.00	259.87	3,096.6	-1,939.7	-9.3	-51.8	52.6	2.00	7,251,911.71	2,087,336.39
3,200.0	13.00	259.87	3,194.4	-1,841.9	-12.9	-72.3	73.4	2.00	7,251,907.69	2,087,316.00
3,300.0	15.00	259.87	3,291.5	-1,744.8	-17.2	-96.1	97.6	2.00	7,251,903.00	2,087,292.26
3,400.0	17.00	259.87	3,387.6	-1,648.7	-22.0	-123.2	125.2	2.00	7,251,897.67	2,087,265.22
3,500.0	19.00	259.87	3,482.7	-1,553.6	-27.5	-153.6	156.1	2.00	7,251,891.69	2,087,234.91
3,600.0	21.00	259.87	3,576.6	-1,459.7	-33.5	-187.3	190.3	2.00	7,251,885.07	2,087,201.35
3,700.0	23.00	259.87	3,669.4	-1,366.9	-40.1	-224.2	227.7	2.00	7,251,877.82	2,087,164.60
3,800.0	25.00	259.87	3,760.7	-1,275.6	-47.2	-264.2	268.4	2.00	7,251,869.95	2,087,124.70
3,900.0	27.00	259.87	3,850.6	-1,185.7	-55.0	-307.4	312.2	2.00	7,251,861.46	2,087,081.69
4,000.0	29.00	259.87	3,938.9	-1,097.4	-63.2	-353.6	359.2	2.00	7,251,852.38	2,087,035.64
4,100.0	31.00	259.87	4,025.5	-1,010.8	-72.0	-402.8	409.2	2.00	7,251,842.70	2,086,986.58
4,200.0	33.00	259.87	4,110.3	-926.0	-81.3	-455.0	462.2	2.00	7,251,832.44	2,086,934.60
4,253.9	34.08	259.87	4,155.2	-881.1	-86.6	-484.3	491.9	2.00	7,251,826.68	2,086,905.39
Start 851.9 hold at 4253.9 MD										
4,300.0	34.08	259.87	4,193.4	-842.9	-91.1	-509.7	517.8	0.00	7,251,821.68	2,086,880.04
4,400.0	34.08	259.87	4,276.2	-760.1	-101.0	-564.9	573.8	0.00	7,251,810.83	2,086,825.07
4,500.0	34.08	259.87	4,359.0	-677.3	-110.8	-620.0	629.8	0.00	7,251,799.99	2,086,770.09
4,600.0	34.08	259.87	4,441.9	-594.4	-120.7	-675.2	685.9	0.00	7,251,789.14	2,086,715.12
4,700.0	34.08	259.87	4,524.7	-511.6	-130.6	-730.3	741.9	0.00	7,251,778.30	2,086,660.15
4,800.0	34.08	259.87	4,607.5	-428.8	-140.4	-785.5	797.9	0.00	7,251,767.45	2,086,605.18



Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Unitah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
4,894.7	34.08	259.87	4,686.0	-350.3	-149.8	-837.8	851.0	0.00	7,251,757.18	2,086,553.09
Up. Green River										
4,900.0	34.08	259.87	4,690.4	-345.9	-150.3	-840.7	854.0	0.00	7,251,756.61	2,086,550.21
5,000.0	34.08	259.87	4,773.2	-263.1	-160.1	-895.8	910.0	0.00	7,251,745.76	2,086,495.23
5,105.8	34.08	259.87	4,860.8	-175.5	-170.6	-954.2	969.3	0.00	7,251,734.29	2,086,437.07
Start Drop -2.00										
5,200.0	32.19	259.87	4,939.7	-96.6	-179.6	-1,004.9	1,020.8	2.00	7,251,724.32	2,086,386.56
5,300.0	30.19	259.87	5,025.2	-11.1	-188.7	-1,055.8	1,072.6	2.00	7,251,714.30	2,086,335.75
5,400.0	28.19	259.87	5,112.5	76.2	-197.3	-1,103.8	1,121.3	2.00	7,251,704.86	2,086,287.89
5,500.0	26.19	259.87	5,201.5	165.2	-205.4	-1,148.8	1,167.0	2.00	7,251,696.01	2,086,243.06
5,528.4	25.63	259.87	5,227.0	190.7	-207.5	-1,161.0	1,179.4	2.00	7,251,693.61	2,086,230.89
Mahogany										
5,600.0	24.19	259.87	5,291.9	255.6	-212.9	-1,190.7	1,209.6	2.00	7,251,687.77	2,086,201.30
5,700.0	22.19	259.87	5,383.9	347.6	-219.8	-1,229.5	1,249.0	2.00	7,251,680.15	2,086,162.66
5,800.0	20.19	259.87	5,477.1	440.8	-226.1	-1,265.1	1,285.1	2.00	7,251,673.16	2,086,127.20
5,900.0	18.19	259.87	5,571.5	535.2	-231.9	-1,297.4	1,318.0	2.00	7,251,666.79	2,086,094.94
6,000.0	16.19	259.87	5,667.1	630.8	-237.1	-1,326.5	1,347.6	2.00	7,251,661.07	2,086,065.94
6,100.0	14.19	259.87	5,763.6	727.3	-241.7	-1,352.3	1,373.8	2.00	7,251,656.00	2,086,040.23
6,200.0	12.19	259.87	5,860.9	824.6	-245.8	-1,374.8	1,396.6	2.00	7,251,651.58	2,086,017.84
6,300.0	10.19	259.87	5,959.0	922.7	-249.2	-1,393.9	1,416.0	2.00	7,251,647.82	2,085,998.80
6,400.0	8.19	259.87	6,057.7	1,021.4	-252.0	-1,409.6	1,432.0	2.00	7,251,644.73	2,085,983.12
6,500.0	6.19	259.87	6,156.9	1,120.6	-254.2	-1,422.0	1,444.5	2.00	7,251,642.31	2,085,970.84
6,600.0	4.19	259.87	6,256.5	1,220.2	-255.8	-1,430.9	1,453.6	2.00	7,251,640.56	2,085,961.96
6,700.0	2.19	259.87	6,356.3	1,320.0	-256.8	-1,436.4	1,459.1	2.00	7,251,639.48	2,085,956.49
6,809.7	0.00	0.00	6,466.0	1,429.7	-257.1	-1,438.4	1,461.2	2.00	7,251,639.07	2,085,954.43
Start 2841.0 hold at 6809.7 MD - G. Gulch (TGR3)										
6,900.0	0.00	0.00	6,556.3	1,520.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,000.0	0.00	0.00	6,656.3	1,620.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43



Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Unitah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,100.0	0.00	0.00	6,756.3	1,720.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,200.0	0.00	0.00	6,856.3	1,820.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,300.0	0.00	0.00	6,956.3	1,920.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,400.0	0.00	0.00	7,056.3	2,020.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,500.0	0.00	0.00	7,156.3	2,120.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,600.0	0.00	0.00	7,256.3	2,220.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,676.7	0.00	0.00	7,333.0	2,296.7	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
Douglas Creek										
7,700.0	0.00	0.00	7,356.3	2,320.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,800.0	0.00	0.00	7,456.3	2,420.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
7,900.0	0.00	0.00	7,556.3	2,520.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,000.0	0.00	0.00	7,656.3	2,620.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,100.0	0.00	0.00	7,756.3	2,720.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,125.7	0.00	0.00	7,782.0	2,745.7	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
Black Shale										
8,200.0	0.00	0.00	7,856.3	2,820.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,254.7	0.00	0.00	7,911.0	2,874.7	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
Castle Peak										
8,300.0	0.00	0.00	7,956.3	2,920.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,400.0	0.00	0.00	8,056.3	3,020.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,500.0	0.00	0.00	8,156.3	3,120.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,539.7	0.00	0.00	8,196.0	3,159.7	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
Uteland										
8,600.0	0.00	0.00	8,256.3	3,220.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,650.7	0.00	0.00	8,307.0	3,270.7	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
Wasatch										
8,700.0	0.00	0.00	8,356.3	3,320.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
8,800.0	0.00	0.00	8,456.3	3,420.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43



Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Unitah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,900.0	0.00	0.00	8,556.3	3,520.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,000.0	0.00	0.00	8,656.3	3,620.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,100.0	0.00	0.00	8,756.3	3,720.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,200.0	0.00	0.00	8,856.3	3,820.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,300.0	0.00	0.00	8,956.3	3,920.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,400.0	0.00	0.00	9,056.3	4,020.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,500.0	0.00	0.00	9,156.3	4,120.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,600.0	0.00	0.00	9,256.3	4,220.0	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43
9,650.7	0.00	0.00	9,307.0	4,270.7	-257.1	-1,438.4	1,461.2	0.00	7,251,639.07	2,085,954.43

TD at 9650.7

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
8,254.7	7,911.0	Castle Peak		0.00	
8,650.7	8,307.0	Wasatch		0.00	
8,125.7	7,782.0	Black Shale		0.00	
5,528.4	5,227.0	Mahogany		0.00	
7,676.7	7,333.0	Douglas Creek		0.00	
6,809.7	6,466.0	G. Gulch (TGR3)		0.00	
8,539.7	8,196.0	Uteland		0.00	
4,894.7	4,686.0	Up. Green River		0.00	



Payzone Directional

Crescent Point Energy



Company:	Crescent Point Energy	Local Co-ordinate Reference:	Site Section 17 T3S, R1E
Project:	Utah County	TVD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Site:	Section 17 T3S, R1E	MD Reference:	Kendall 15-17-3-1E @ 5036.3usft (EST KB)
Well:	Kendall 15-17-3-1E	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	MasterDB

Plan Annotations

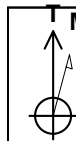
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,550.0	2,550.0	0.0	0.0	Start Build 2.00
4,253.9	4,155.2	-86.6	-484.3	Start 851.9 hold at 4253.9 MD
5,105.8	4,860.8	-170.6	-954.2	Start Drop -2.00
6,809.7	6,466.0	-257.1	-1,438.4	Start 2841.0 hold at 6809.7 MD
9,650.7	9,307.0	-257.1	-1,438.4	TD at 9650.7

Checked By: _____ Approved By: _____ Date: _____

API Well Number: 43047551310000



Well Name: Kendall 15-17-3-1E
Surface Location: Section 17 T3S, R1E
North American Datum 1983, US State Plane 1983, Utah Central Zone
Ground Elevation: 5018.3
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 7251921.90 2087388.03 40° 13' 2.723 N 109° 53' 57.491 W
EST KB Kendall 15-17-3-1E @ 5036.3usft (EST KB)



Azimuths to True North
Magnetic North: 10.83°
Magnetic Field
Strength: 52048.1nT
Dip Angle: 65.88°
Date: 11/30/2014
Model: IGRF2010

Section 17 T3S, R1E
Kendall 15-17-3-1E
Design #1
10:37, December 01 2014

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
15-17-3-1E TGT	6466.0	-257.1	-1438.4	7251639.07	2085954.43	40° 13' 0.181 N 109° 54' 16.034 W	Rectangle (Sides: L400.0 W400.0)	

ANNOTATIONS

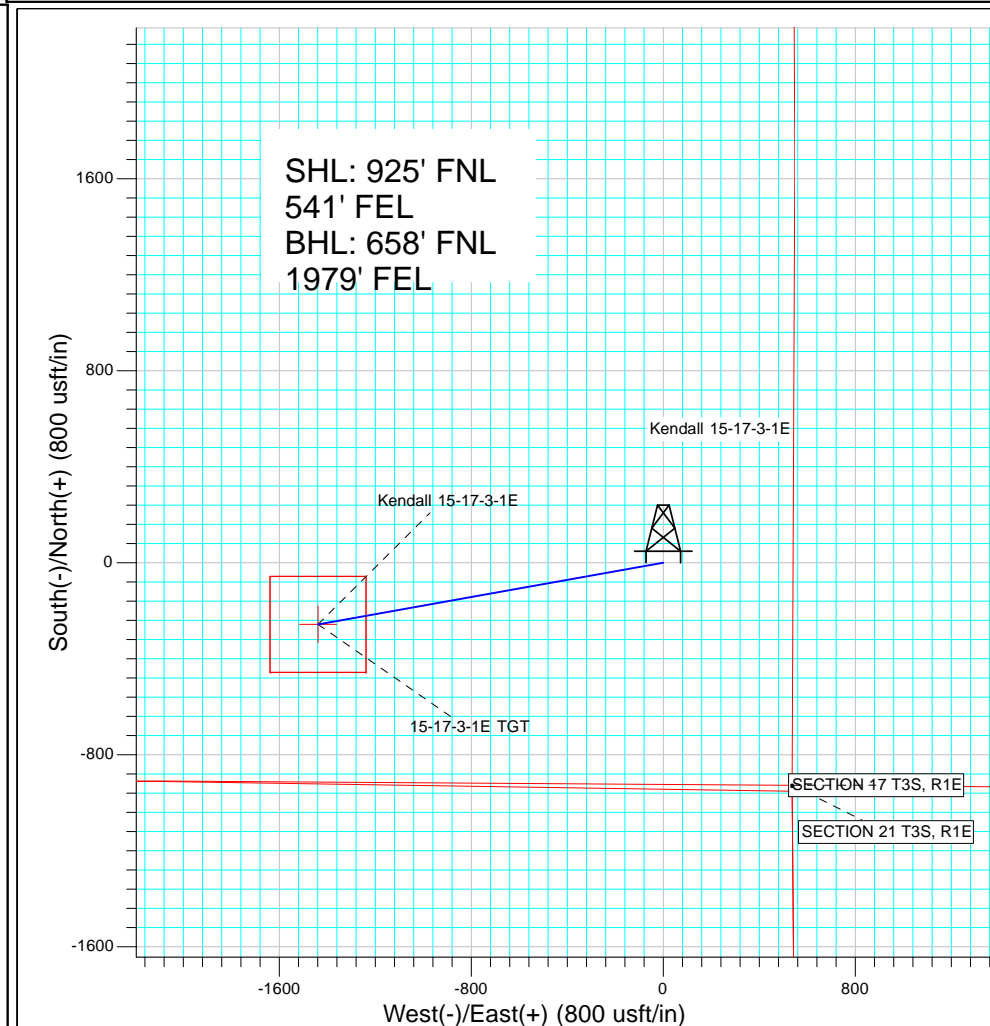
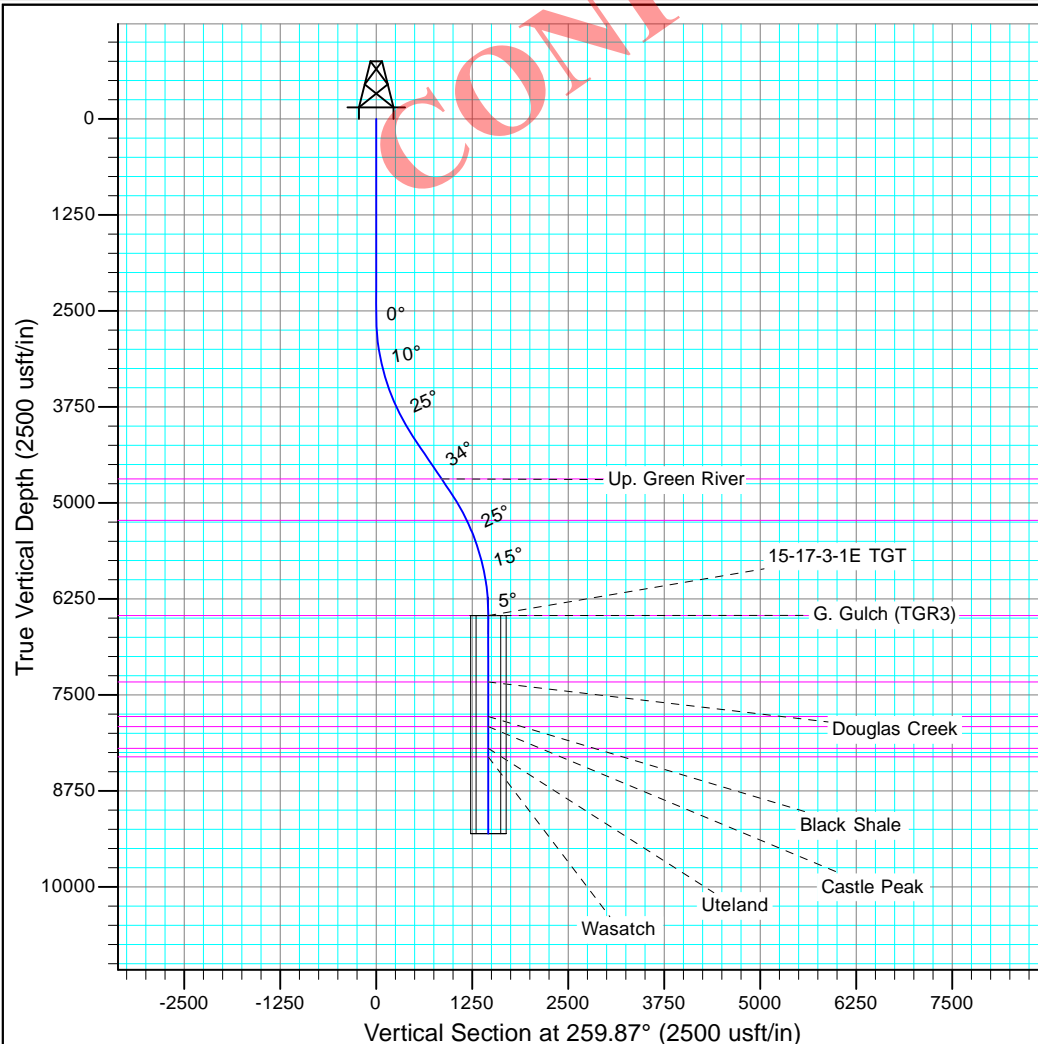
TVD	MD	Annotation
2550.0	2550.0	Start Build 2.00
4155.2	4253.9	Start 851.9 hold at 4253.9 MD
4860.8	5105.8	Start Drop -2.00
6466.0	6809.7	Start 2841.0 hold at 6809.7 MD
9307.0	9650.7	TD at 9650.7

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2550.0	0.00	0.00	2550.0	0.0	0.0	0.00	0.00	0.0	
3	4253.9	34.08	259.87	4155.2	-86.6	-484.3	2.00	259.87	491.9	
4	5105.8	34.08	259.87	4860.8	-170.6	-954.2	0.00	0.00	969.3	
5	6809.7	0.00	0.00	6466.0	-257.1	-1438.4	2.00	180.00	1461.2	15-17-3-1E TGT
6	9650.7	0.00	0.00	9307.0	-257.1	-1438.4	0.00	0.00	1461.2	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
4686.0	4894.7	Up. Green River	0.00	
5227.0	5528.4	Mahogany	0.00	
6466.0	6809.7	G. Gulch (TGR3)	0.00	
7333.0	7676.7	Douglas Creek	0.00	
7782.0	8125.7	Black Shale	0.00	
7911.0	8254.7	Castle Peak	0.00	
8196.0	8539.7	Uteland	0.00	
8307.0	8650.7	Wasatch	0.00	



RECEIVED: December 10, 2014

MEMORANDUM of SURFACE USE AGREEMENT AND GRANT OF EASEMENTS

David Eckelberger is Landman for Ute Energy Upstream Holdings LLC, authorized to do business in Utah (hereinafter referred to as "Ute Energy"). Ute Energy owns, operates and manages oil and gas interests in Uintah and Duchesne Counties, Utah.

WHEREAS, that certain Surface Use Agreement and Grant of Easements (the "Agreement") dated effective March 1st, 2012 has been entered into by and between Kendall Investments LLC, a Utah Limited Liability Company, whose address is 1638 E. Gordon Ave., Layton, Utah 84040 ("Owner") and Ute Energy Upstream Holdings LLC, whose address is 1875 Lawrence Street, Suite 200, Denver, CO 80202 ("Operator").

WHEREAS, Owner owns the surface estate of the real property in Uintah County, Utah (the "Property"), legally described as:

Township 3 South, Range 1 East, USM

Section 17: W/2, SE/4, S/2NE/4

Section 18: Lots 1, 2, 3, 4 (being the W/2W/2), E/2SW/4, SE/4, E/2NE/4

Section 19: Lots 1, 2, 3, 4, E/2W/2, E/2 (All)

Section 30: Lots 3, 4, 5, 6, 7 (being the NW/4 and the NW/4NE/4)

Township 3 South, Range 1 West, USM

Section 13: NE/4, NE/4SE/4, W/2SE/4, W/2SE/4SE/4, E/2E/2SE/4SE/4

WHEREAS, for an agreed upon monetary consideration, Operator may construct the necessary well site pads for drilling, completion, re-completion, reworking, re-entry, production, maintenance and operation of wells ("Well Pads") on the Property. Ute Energy, its agents, employees, assigns, contractors and subcontractors, may enter upon and use the Well Pads for the purposes of drilling, completing, producing, maintaining, and operating wells to produce oil, gas and associated hydrocarbons, including the construction and use of frac pits, tank batteries, water disposal pits, production equipment, compressor sites and other facilities used to produce and market the oil, gas and associated hydrocarbons.


WHEREAS, Operator has the right to a non-exclusive access easement on the Property for ingress and egress by Operator and its employees, contractors, sub-contractors, agents, and business invitees as needed to conduct oil and gas operations.

WHEREAS, Operator, its employees, contractors, sub-contractors, agents and business invitees has the right to a non-exclusive pipeline easement to construct, maintain, inspect, operate and repair a pipeline or pipelines, pigging facilities and related appurtenances for the transportation of oil, gas, petroleum products, water and any other substances recovered during oil and gas production.

WHEREAS, this Agreement shall run with the land and be binding upon and inure to the benefit of the parties and their respective heirs, successors and assigns as stated in the Agreement.

THEREFORE, Operator is granted access to the surface estate and the Agreement constitutes a valid and binding surface use agreement as required under Utah Admin. Code Rule R649-3-34(7).

This Memorandum is executed this 6th day of March, 2012


David Eckelberger
Landman

ACKNOWLEDGEMENT

STATE OF COLORADO)
) ss
COUNTY OF DENVER)

Entry 2012002111
Book 1268 Page 644 \$14.00
14-MAR-12 02:04
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
JANICE GATES-M
PO BOX 789 FT DUCHESNE, UT 84026
By: TONYA ATWOOD, DEPUTY

The foregoing instrument was acknowledged before me by David Eckelberger, Landman for Ute Energy Upstream Holdings LLC this 6th day of March, 2012.

Notary Seal:

My Commission expires:
September 15, 2014
Date



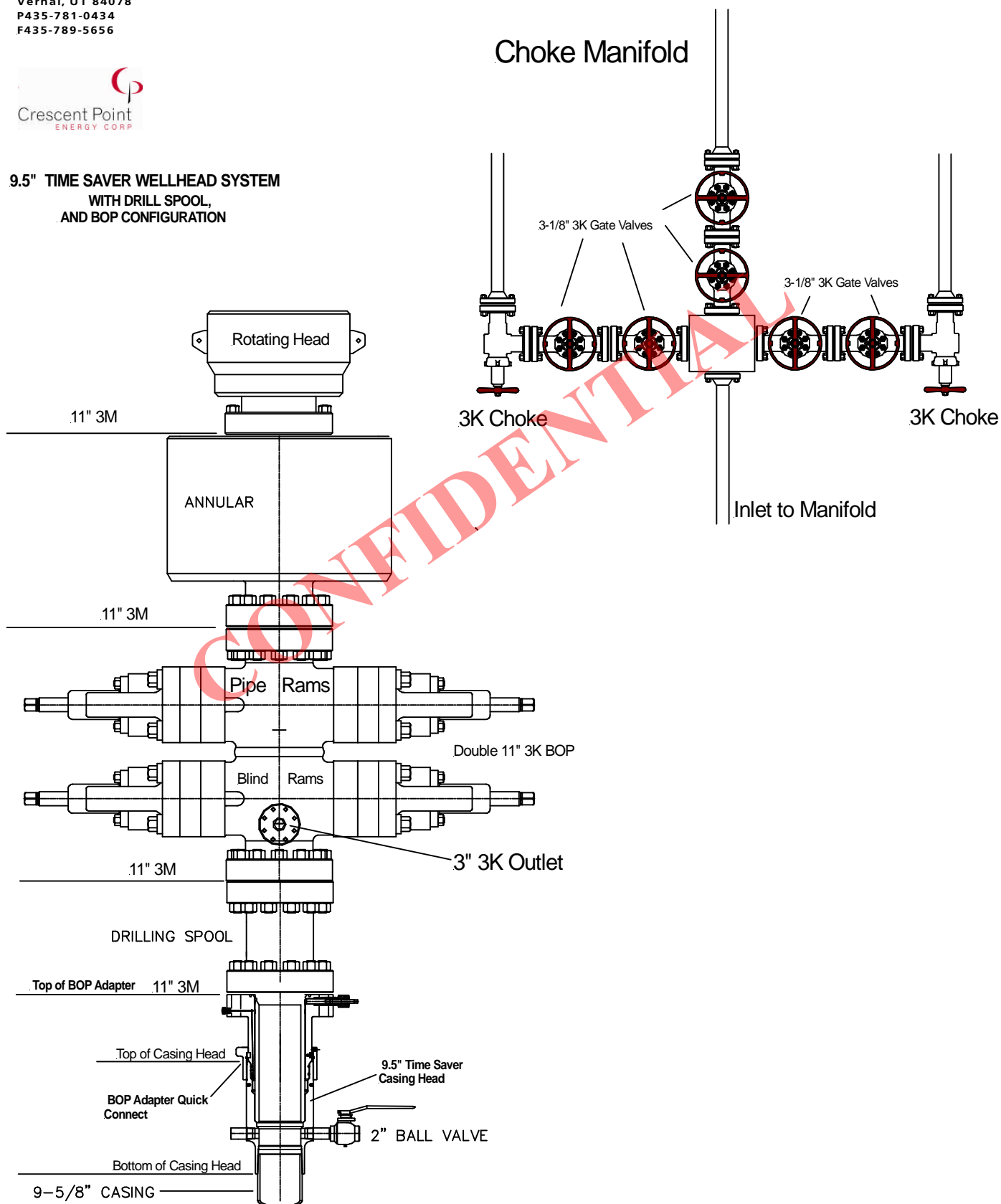


519 E. 300 S.
Vernal, UT 84078
P435-781-0434
F435-789-5656

Oct, 18, 2013



**9.5" TIME SAVER WELLHEAD SYSTEM
WITH DRILL SPOOL,
AND BOP CONFIGURATION**





555 17th Street, Suite 1800
Denver, CO 80202
Phone: (720) 880-3610

December 11, 2014

State of Utah Division of Oil, Gas and Mining
Attention: Brad Hill
1594 West North Temple
Salt Lake City, UT 84116

**RE: Directional Drilling (R649-3-11) & Exception Location Request (R649-3-3)
Kendall 15-17-3-1E**

Surface Location: SESE of Section 17

925' FSL & 541' FEL

Target Location: SENW of Section 17

658' FSL & 1979' FEL

T3S-R1E, USM

Uintah County, Utah

Dear Mr. Hill:

Pursuant to the filing of Crescent Point Energy U.S. Corp's (Crescent Point) Application for Permit to Drill regarding the above referenced well, and in accordance with Oil & Gas Conservation Rules R649-3-11 and R649-3-3, we are hereby submitting this letter as notice of our intention to directionally drill the captioned well and request that DOGM administratively grant an exception location for the Kendall 15-17-3-1E.

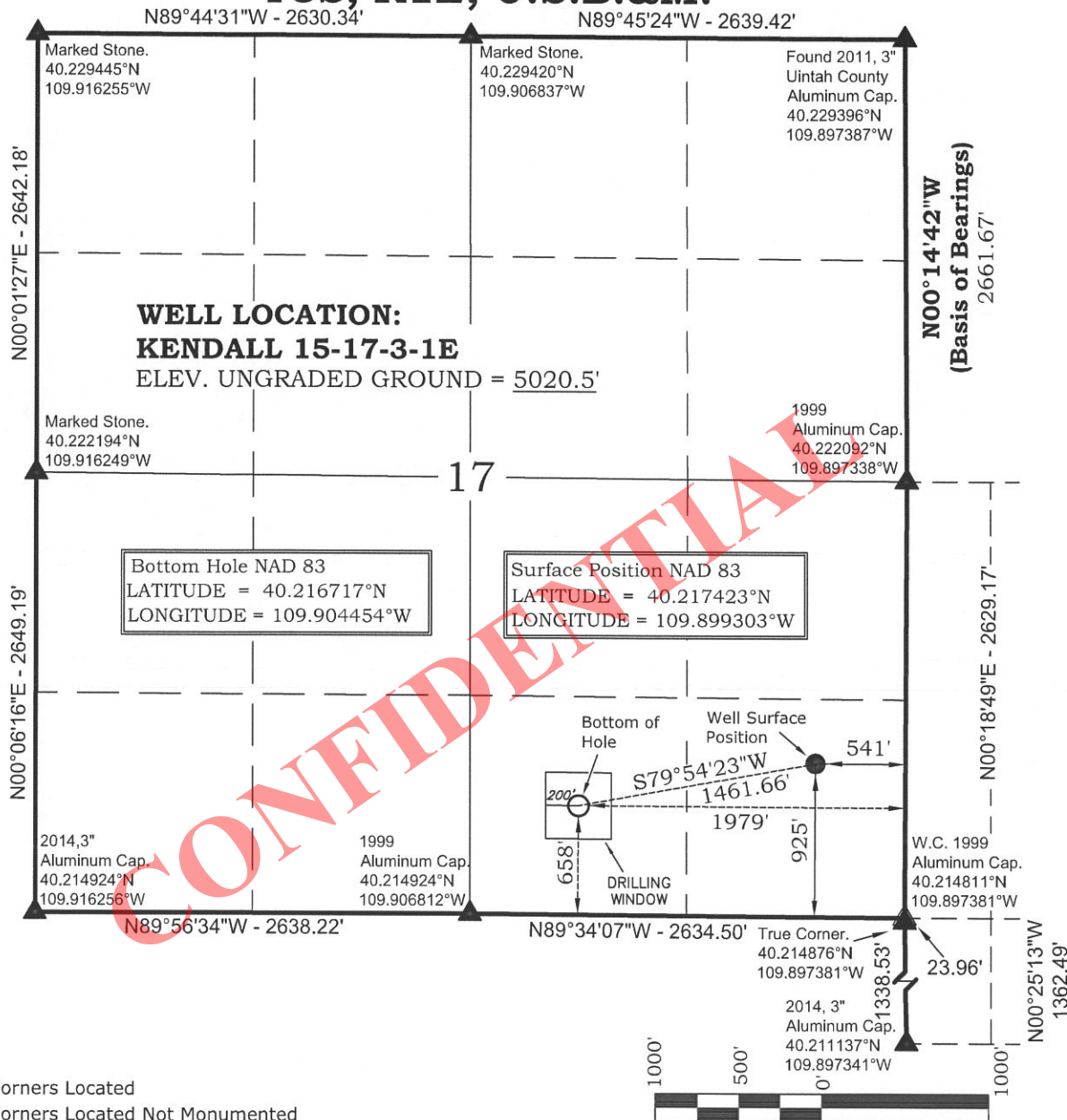
- Crescent Point is permitting the Kendall 15-17-3-1E as a directional well. The surface location was moved outside the legal window from the center of the quarter/quarter due to difficult topography.
- Crescent Point has notified and obtained consent from all other working interest owners within a 460' radius of the intended wellbore.

Therefore, based on the above stated information, Crescent Point requests the permit be granted pursuant to R649-3-11 and R649-3-3. If you have any questions or require further information, please don't hesitate to contact the undersigned at 303-382-6766 or by email at aellison@crescentpointenergy.com. Your consideration of this matter is greatly appreciated.

Sincerely,
Crescent Point Energy U.S. Corp

A handwritten signature in black ink, appearing to read 'Ashley Ellison', is written over a horizontal line.

Ashley Ellison
Landman

T3S, R1E, U.S.B.&M.**NOTES:**

▲ = Section Corners Located

△ = Section Corners Located Not Monumented

1. Well footages are measured at right angles to the Section Lines.
2. Bearings and distances shown on this plat are based upon a local Cartesian Grid which is oriented to Geodetic North at the SE Corner of Section 36, T3S, R1E, U.S.B.&M. the grid having a mean project height of 5,000'. Lineal units used are U.S. Survey Foot. Trimble G.P.S. equipment was used in performance of this survey.
3. Latitude and Longitude are NAD 83 (2011) Epoch 2010. Elevations are NAVD 88. Both derived from the Utah Virtual Reference Station Control System (VRS).

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PLAT**KENDALL 15-17-3-1E****658' FSL, 1979' FEL (Bottom Hole)****SW ¼ SE ¼ OF SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.****SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
LICENCE NO. 6028691
STATE OF UTAH

JOHN R. SAUGH
12-31-14

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 1 OF 14
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	
SCALE: 1" = 1000'	Date Last Revised:	

WELL NAME	SURFACE POSITION			BOTTOM HOLE		
	NAD83			NAD83		
	LATITUDE	LONGITUDE	FOOTAGES	LATITUDE	LONGITUDE	FOOTAGES
KENDALL 15-17-3-1E	40.217423°N	109.899303°W	925' FSL 541' FEL	40.216717°N	109.904454°W	658' FSL 1979' FEL
KENDALL 16-17-3-1E	40.217212°N	109.899469°W	847' FSL 587' FEL			



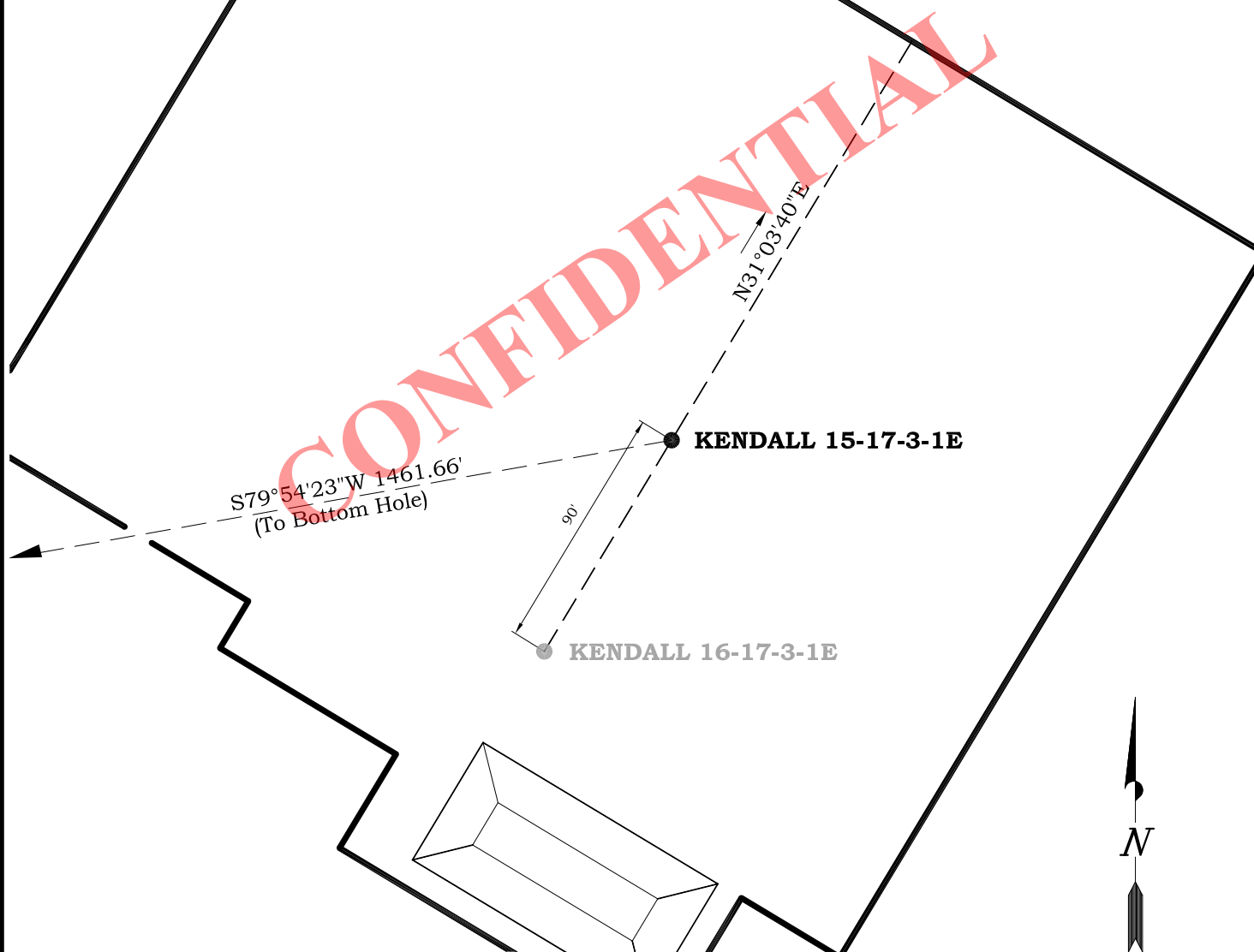
SCALE

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST
KENDALL 15-17-3-1E	-256.2'	-1439.0'

Latitude and Longitude are NAD 83 (2011) Epoch 2010. Derived from the Utah Virtual Reference Station Control System (VRS)

BASIS OF BEARINGS IS THE EAST LINE OF THE NE $\frac{1}{4}$ OF SECTION 17, T3S, R1E, U.S.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°14'42"W.



CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PAD INTERFERENCE PLAT

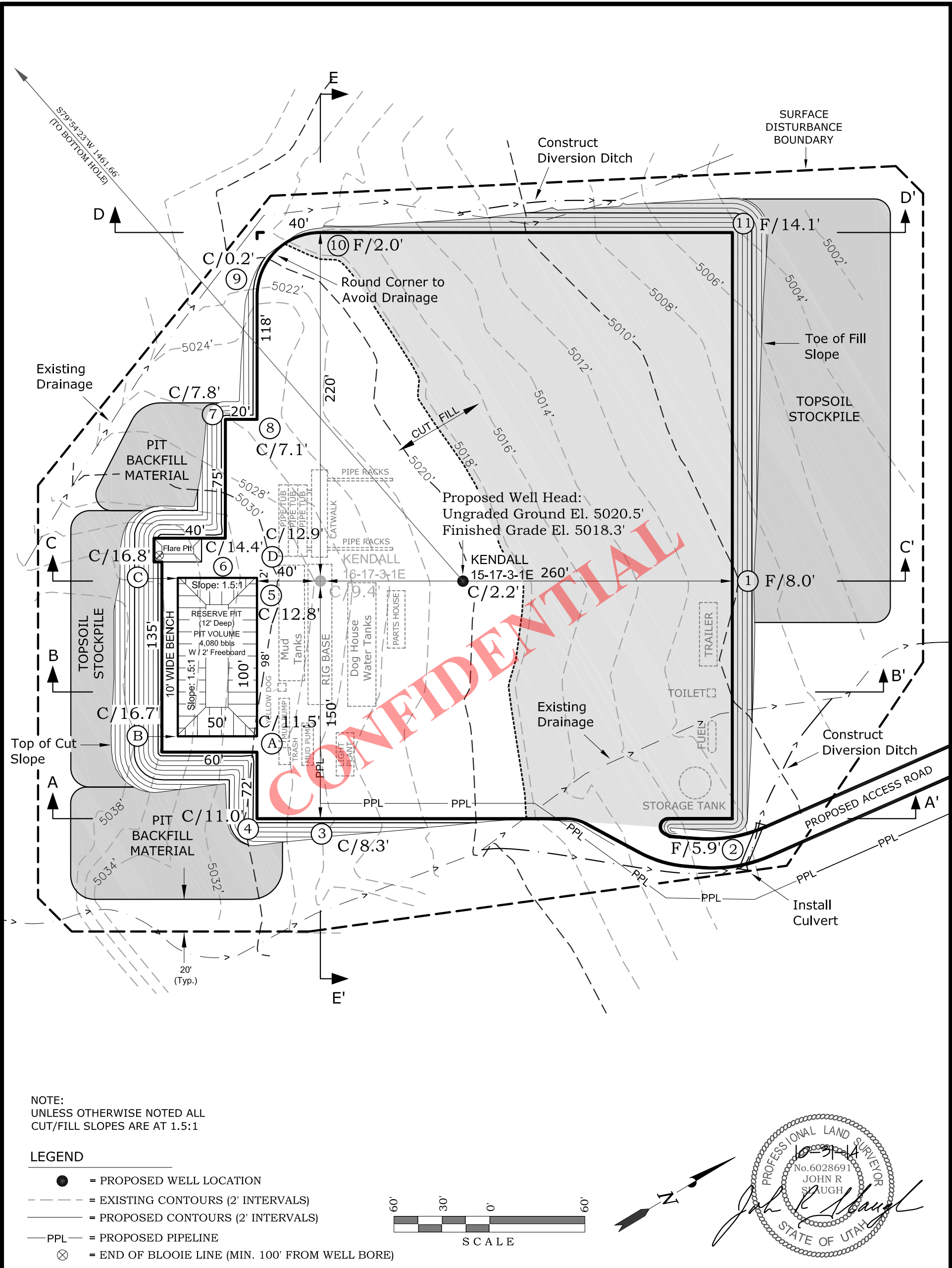
KENDALL 15-17-3-1E
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UTAH COUNTY, UTAH.

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

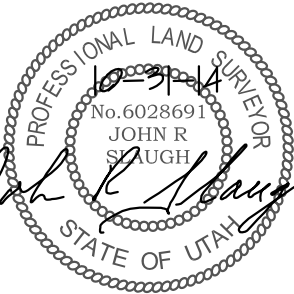
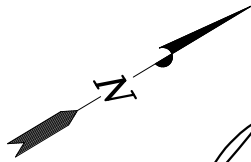
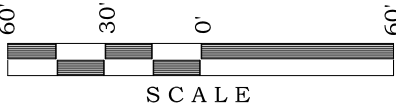
DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 2 OF 14
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	
SCALE: 1" = 60'	Date Last Revised:	



NOTE:
UNLESS OTHERWISE NOTED ALL
CUT/FILL SLOPES ARE AT 1.5:1

LEGEND

- = PROPOSED WELL LOCATION
- - - = EXISTING CONTOURS (2' INTERVALS)
- = PROPOSED CONTOURS (2' INTERVALS)
- PPL— = PROPOSED PIPELINE
- ⊗ = END OF BLOOIE LINE (MIN. 100' FROM WELL BORE)



CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

PAD FOOTPRINT AREA = ±2.761 ACRES
PAD DISTURBANCE AREA (Cut/Fill Slopes, Stockpiles) = ±4.132 ACRES
AREA WITHIN SURFACE DISTURBANCE BOUNDARY = ±5.378 ACRES

REFERENCE
POINTS:

310' NORTHEASTERLY, EL = 5006.8'
360' NORTHEASTERLY, EL = 5004.7'
270' NORTHWESTERLY, EL = 5017.7'
320' NORTHWESTERLY, EL = 5020.8'

WELL PAD - LOCATION LAYOUT

KENDALL 15-17-3-1E
925' FSL & 541' FEL
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.

ESTIMATED EARTHWORK QUANTITIES
(No shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

6" Topsoil Stripping = 2,620
Remaining Cut (Including Pit Material) = 16,460
TOTAL CUT = 19,080
FILL = 15,290
Pit Backfill = 1,170, Excess Material = 0

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED:
10-1-14

SURVEYED BY: A.F.

SHEET NO:

DATE DRAWN:
10-16-14

DRAWN BY: S.A.

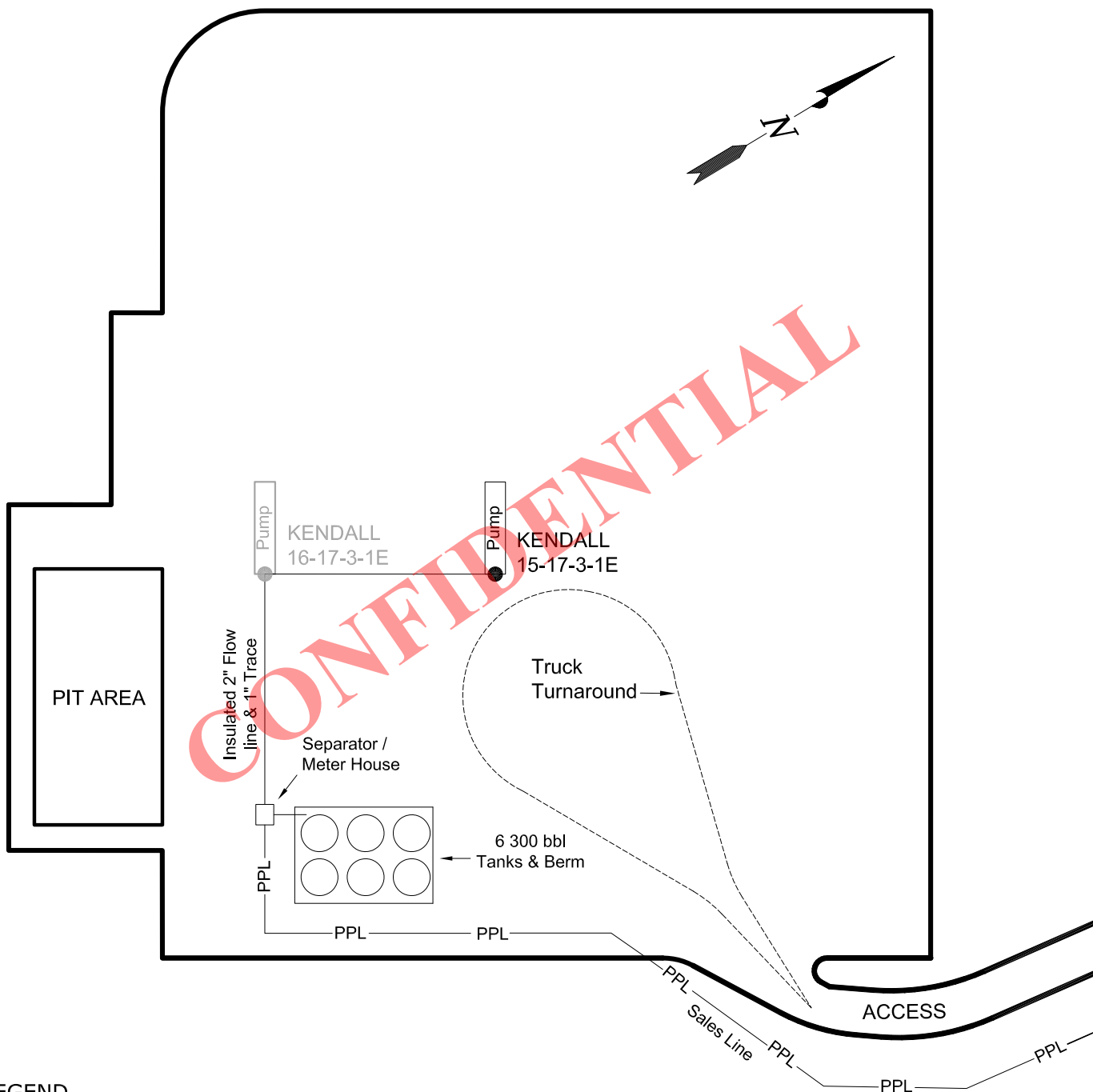
3

SCALE: 1" = 60'

Date Last Revised:

OF 14

NOTE:
PRODUCTION EQUIPMENT LOCATION
COULD VARY DUE TO SITE AND OPERATION
EFFECTIVENESS.



LEGEND

- = PROPOSED WELL LOCATION
— PPL — = PROPOSED PIPELINE

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PAD - FACILITY DIAGRAM

KENDALL 15-17-3-1E
925' FSL & 541' FEL
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., Uintah County, UTAH.

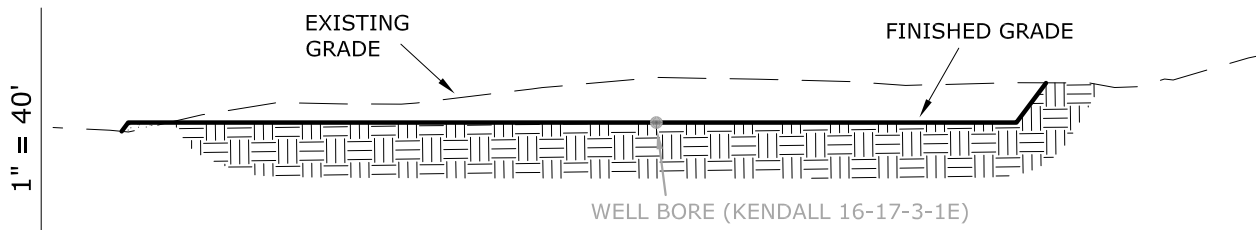
**TIMBERLINE**

(435) 789-1365

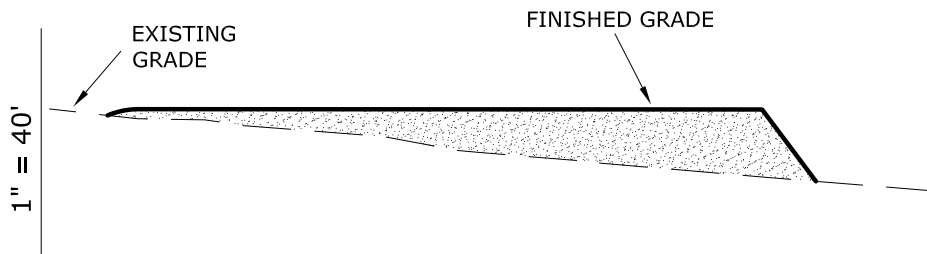
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 4 OF 14
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	
SCALE: 1" = 60'	Date Last Revised:	

RECEIVED: December 16, 2014



1" = 80' CROSS SECTION E-E'



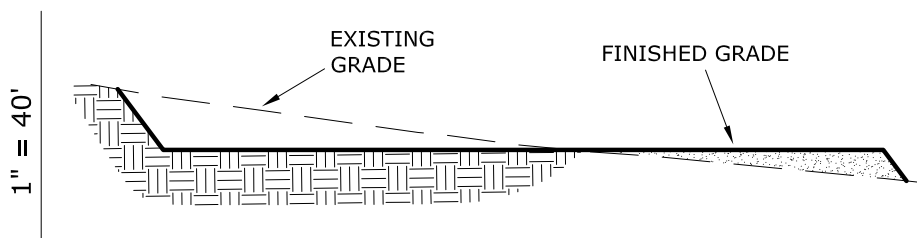
1" = 80' CROSS SECTION D-D'



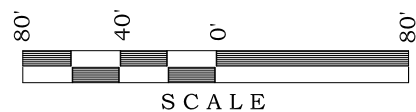
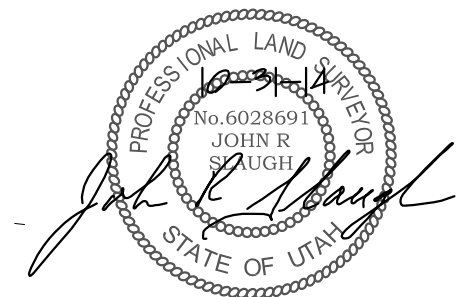
1" = 80' CROSS SECTION C-C'



1" = 80' CROSS SECTION B-B'



1" = 80' CROSS SECTION A-A'

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PAD - CROSS SECTION

KENDALL 15-17-3-1E
925' FSL & 541' FEL
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UTAH COUNTY, UTAH.

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078DATE SURVEYED:
10-1-14

SURVEYED BY: A.F.

SHEET NO:

DATE DRAWN:
10-16-14

DRAWN BY: S.A.

SCALE: 1" = 80'

Date Last Revised:

5

OF 14

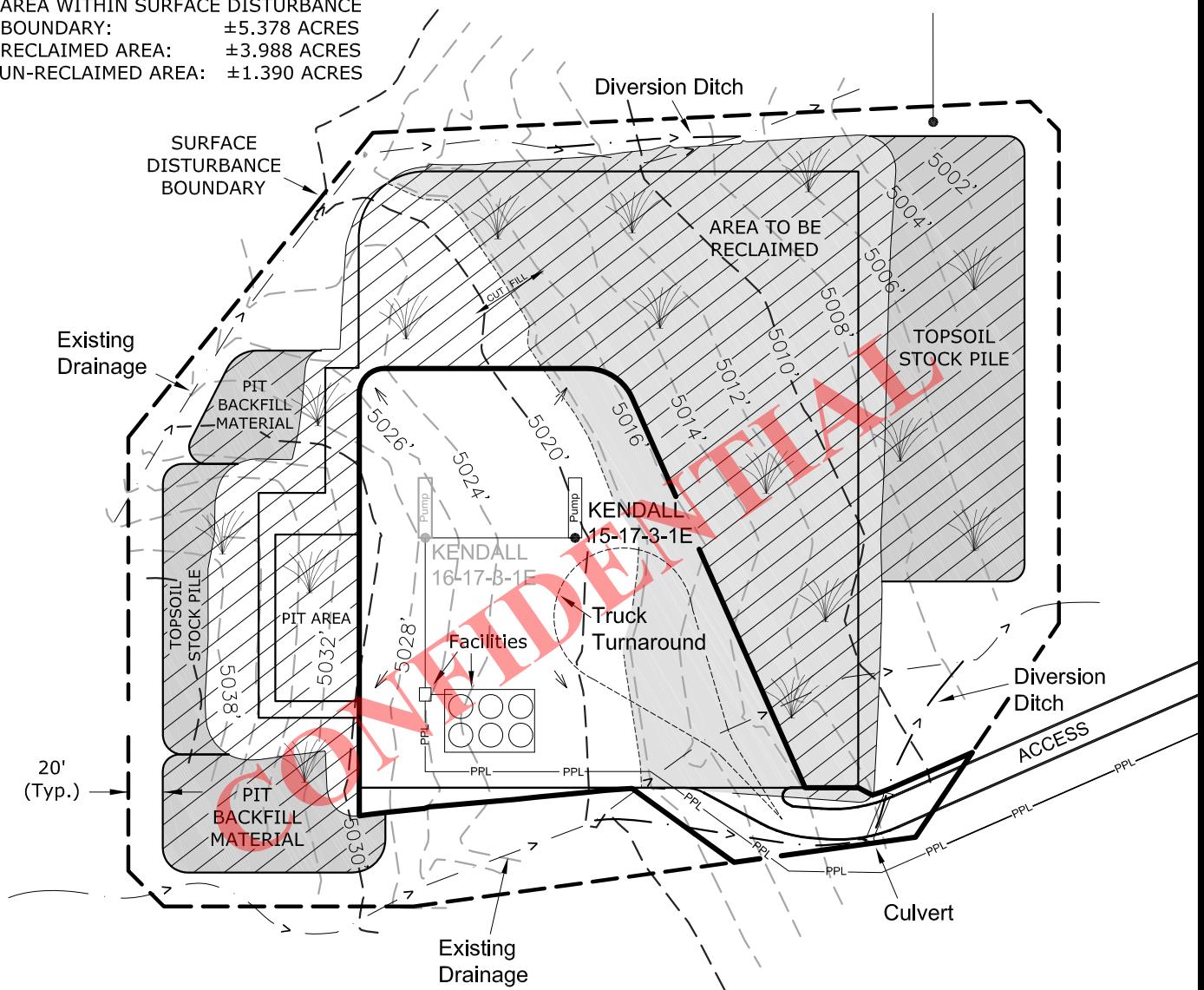
RECEIVED: December 16, 2014

NOTE:

1. PRODUCTION EQUIPMENT LOCATION
COULD VARY DUE TO SITE AND
OPERATION EFFECTIVENESS.

2. AREA WITHIN SURFACE DISTURBANCE
BOUNDARY: ±5.378 ACRES
RECLAIMED AREA: ±3.988 ACRES
UN-RECLAIMED AREA: ±1.390 ACRES

Re-Vegetate Areas
of Disturbance
As-Needed

**LEGEND**

↘ = Anchor



= Area to be Reclaimed and Vegetated

--- = CONTOURS (2' INTERVALS)

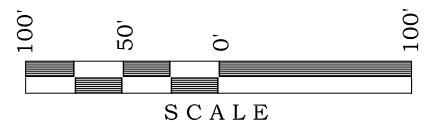
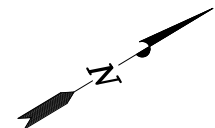
— PPL — = PROPOSED PIPELINE

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

INTERIM RECLAMATION DIAGRAM

KENDALL 15-17-3-1E
925' FSL & 541' FEL
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.

**TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED:
10-1-14

SURVEYED BY: A.F.

SHEET NO:

DATE DRAWN:
10-16-14

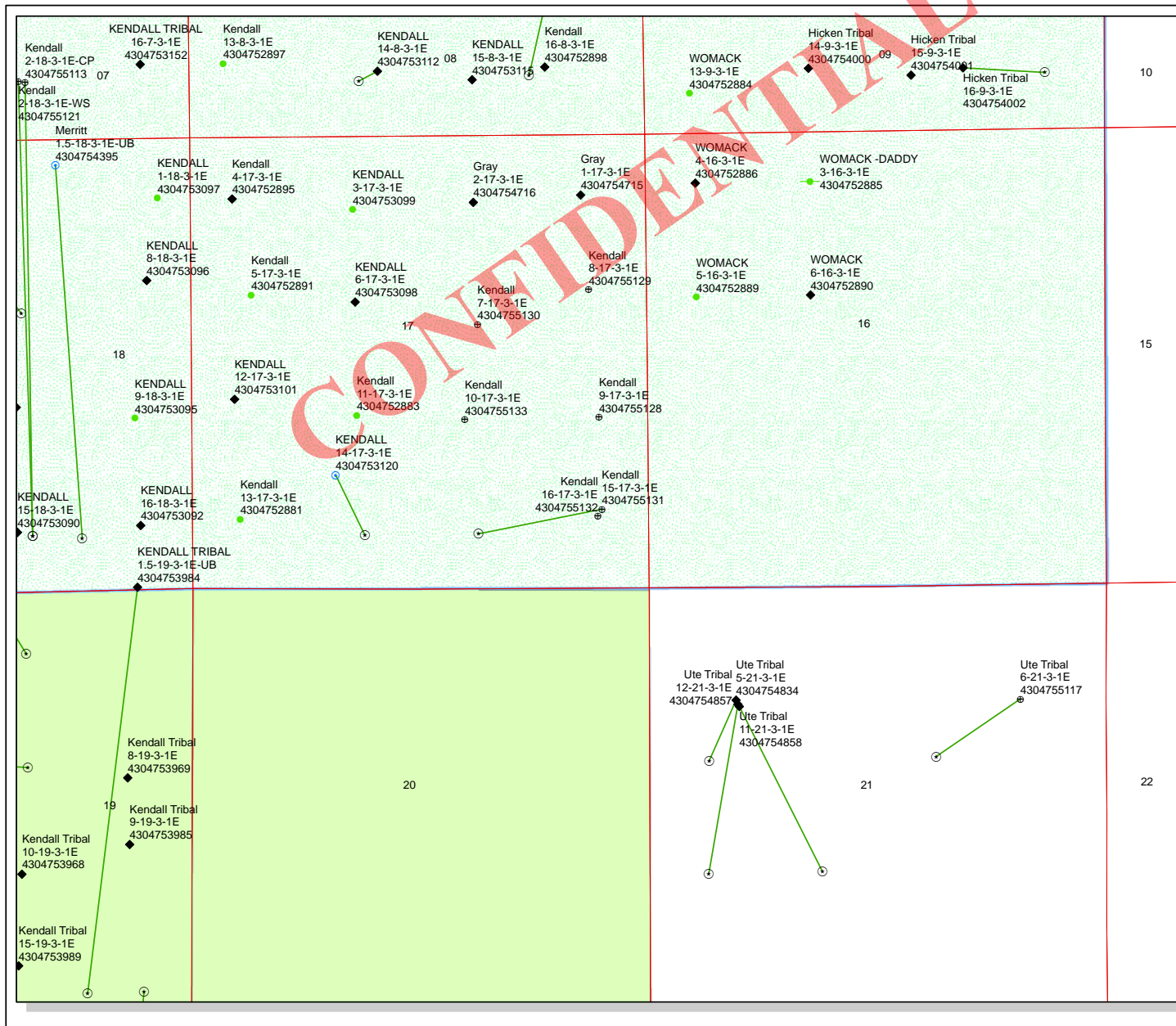
DRAWN BY: S.A.

SCALE: 1" = 100'

Date Last Revised:

6

OF 14



API Number: 4304755131

Well Name: Kendall 15-17-3-1E

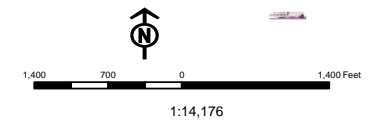
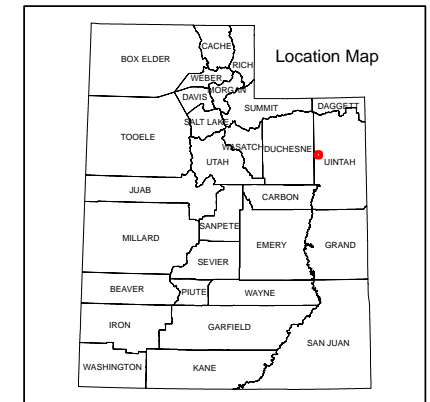
Township: T03.0S Range: R01.0E Section: 17 Meridian: U

Operator: CRESCENT POINT ENERGY U.S. CORP

Map Prepared: 12/18/2014
Map Produced by Diana Mason

Wells Query		Units	
Status		STATUS	
APD - Approved Permit		ACTIVE	
DRL - Spudded (Drilling Commenced)		EXPLORATORY	
GIW - Gas Injection		GAS STORAGE	
GS - Gas Storage		NF PP OIL	
LOC - New Location		PP SECONDARY	
OPS - Operation Suspended		PI OIL	
PA - Plugged Abandoned		PP GAS	
PGW - Producing Gas Well		PP GEOTHERML	
POW - Producing Oil Well		PP OIL	
SGW - Shut-in Gas Well		SECONDARY	
SOW - Shut-in Oil Well		TERMINATED	
TA - Temp. Abandoned			
TW - Test Well			
WOW - Water Disposal			
WW - Water Injection Well			
WSW - Water Supply Well			

Fields	
STATUS	
Unknown	
ABANDONED	
ACTIVE	
COMBINED	
INACTIVE	
STORAGE	
TERMINATED	



Well Name	CRESCENT POINT ENERGY U.S. CORP Kendall 15-17-3-1E 43047551			
String	COND	SURF	PROD	
Casing Size(in)	16.000	9.625	5.500	
Setting Depth (TVD)	40	2000	9651	
Previous Shoe Setting Depth (TVD)	0	40	2000	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	3000	
Casing Internal Yield (psi)	0	3520	7740	
Operators Max Anticipated Pressure (psi)	4840		9.6	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	17	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	12	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	8	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8	NO
Required Casing/BOPE Test Pressure=		0	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	863	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	623	NO diverter, air drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	423	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	432	NO OK
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5019	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3861	NO 3M Ram Double BOP & Annular with Rot. Head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2896	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3336	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2000	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

CRESCENT POINT ENERGY U.S. CORP
Kendall 15-17-3-1E
430475513 10000

stip variance S

9.625 " Casing

2000 ' MD

2000 ' TVD

Surface ' TOC

1499 ' Tail

22.5 % Washout

12.25 " Hole

Formation Depth (MD)

UINTA 0

BMSW 2100

GRRV 4895

MHGNY 5528

TGR3 6810

DGLSCRK 7677

BLCKSHL 8126

CSTLPK 8255

WSTCH 8651

stip cnt

5.5 " Casing

9651 ' MD

9307 ' TVD

Surface ' TOC

4796 ' Tail

2 % Washout

7.875 " Hole

668 'FSL ✓ 1980 'FEL ✓ Calc. BHL ✓ 62.

CRESCENT POINT ENERGY U.S. CORP

Kendall 15-17-3-1E

43047551310000

1.125

1

1.8

MAASP	622	Collapse Strength (psi)	2020	Collapse Load (psi)	862	Collapse DF	2.34	Burst Strength (psi)	3520	Burst Load (psi)	2000	Burst DF	1.76	Tension Strength (kips)	394	Tension DF	5.47	Neutral Point (ft)	1746	Tension Air (kips)	72.0	Tension Buoyed (kips)	63.2
MW (ppg)	8.3	Internal Grad. (psi)	0.12	Backup Mud (ppg)		Internal Mud (ppg)		Max Shoe Pressure (psi)*	3227	CSG Wt (lbs/ft)	36.0	CSG Grade	J-55	CSG Collar	STC	Cement Lead (sx)	435	Lead Yield	2.50	Cement Tail (sx)	315	Tail Yield	1.15
MAASP	2787	Collapse Strength (psi)	6390	Collapse Load (psi)	4835	Collapse DF	1.32	Burst Strength (psi)	7740	Burst Load (psi)	4835	Burst DF	1.60	Tension Strength (kips)	348	Tension DF	2.48	Neutral Point (ft)	7884	Tension Air (kips)	164.1	Tension Buoyed (kips)	140.1
MW (ppg)	10.0	Internal Grad. (psi)	0.22	Backup Mud (ppg)		Internal Mud (ppg)		Max Shoe Pressure (psi)*	4835	CSG Wt (lbs/ft)	17.0	CSG Grade	N-80	CSG Collar	LTC	Cement Lead (sx)	285	Lead Yield	3.82	Cement Tail (sx)	550	Tail Yield	1.65

9.625 " Casing

5.5 " Casing

silty lean clays with gravels

Erosion Issues Y**Sedimentation Issues N****Site Stability Issues N****Drainage Diversion Required? Y****Berm Required? Y****Erosion Sedimentation Control Required? N****Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources? N****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		20

1 Sensitivity Level

Characteristics / Requirements

A 60' x 100' reserve pit is planned in an area of cut. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? N**Other Observations / Comments**

Diversion of this pad is sending water downstream directly to another well below. Concerned that flows are returned to sheet flow to keep from flooding next pad

Chris Jensen
Evaluator

1/7/2015
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner CBM
10894	43047551310000	LOCKED	OW	P No
Operator	CRESCENT POINT ENERGY U.S. CORP		Surface Owner-APD	Mike Kendall
Well Name	Kendall 15-17-3-1E		Unit	
Field	INDEPENDENCE		Type of Work	DRILL
Location	SESE 17 3S 1E U 925 FSL 541 FEL GPS Coord (UTM) 593658E 4452469N			

Geologic Statement of Basis

Crescent Point proposes to set 40' of conductor and 2,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,100'. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of Section 17. Depth is listed for only 1 well at 300 feet. Listed uses are domestic, irrigation and stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill
APD Evaluator

1/21/2015
Date / Time

Surface Statement of Basis

Location is proposed in a good location within the spacing window. Access road enters the pad from the east. The landowner or its representative was in attendance for the pre-site inspection.

The soil type and topography at present combine to pose a threat to erosion or sediment/pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with NHPA, ESA and MBTA and that actions insure no improper disturbance to resources that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Submitted plans show a diversion for ephemeral streams that should be sufficient and rounding of pad corner.

Chris Jensen
Onsite Evaluator

1/7/2015
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
----------	-----------

Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/16/2014

API NO. ASSIGNED: 43047551310000

WELL NAME: Kendall 15-17-3-1E

OPERATOR: CRESCENT POINT ENERGY U.S. CORP (N3935)

PHONE NUMBER: 303 308-6270

CONTACT: Kristen Johnson

PROPOSED LOCATION: SESE 17 030S 010E

Permit Tech Review: ☒

SURFACE: 0925 FSL 0541 FEL

Engineering Review: ☒

BOTTOM: 0658 FSL 1979 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.21741

LONGITUDE: -109.89930

UTM SURF EASTINGS: 593658.00

NORTHINGS: 4452469.00

FIELD NAME: INDEPENDENCE

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - LPM9080271☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 43-12534☐ RDCC Review:☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
5 - Statement of Basis - bhill
12 - Cement Volume (3) - daynedoucet
15 - Directional - dmason
23 - Spacing - dmason
27 - Other - daynedoucet

RECEIVED: March 17, 2015



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Kendall 15-17-3-1E
API Well Number: 43047551310000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 3/17/2015

Issued to:

CRESCENT POINT ENERGY U.S. CORP, 555 17th Street, Suite 750, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5-1/2" production string shall be determined from actual hole diameter in order to place tail cement from the pipe setting depth back to 4800' MD (above Green River) as indicated in the submitted drilling plan.

Health and safety requirements for drilling operations are covered under Utah rule R614-2. R614-2-20 covers safety procedures for air and gas drilling. Any variances to these rules (including requirements for blooie lines and air compressors) must be granted by the Utah Labor Commission (see R614-2-1.E). The request for a variance to not use a rotating head is denied.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750, Denver, CO, 80202		8. WELL NAME and NUMBER: Kendall 15-17-3-1E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0847 FSL 0587 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		9. API NUMBER: 43047551310000
PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: INDEPENDENCE
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/11/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div> <div style="margin-top: 10px;"> OTHER: </div>

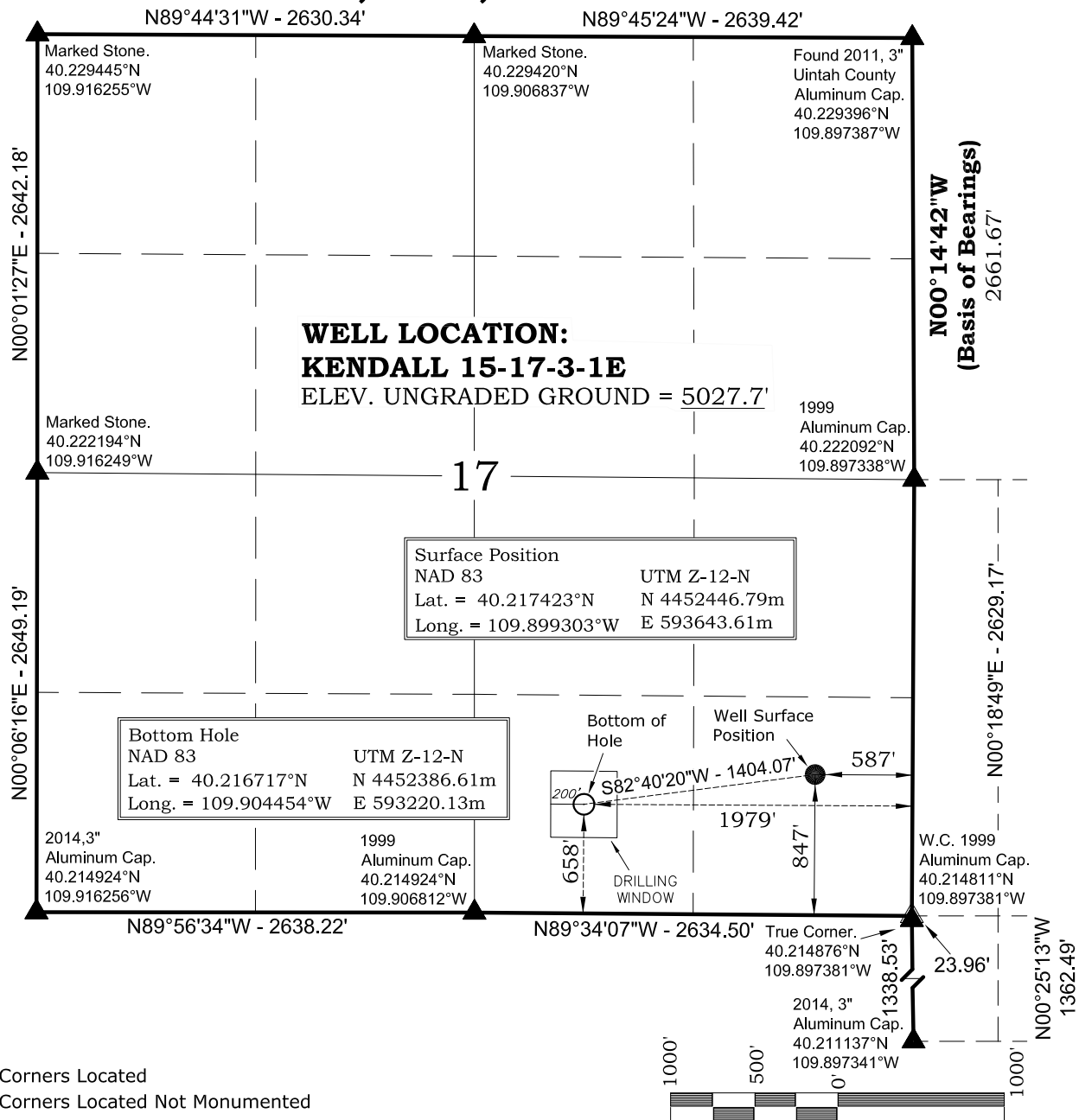
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescent Point Energy US Corp requests to move the surface hole for the Kendall 15-17-3-1E from 925 FSL and 541 FEL to 847 FSL and 587 FEL. The new SHL will remain on the previously permitted pad; no changes will be made to the pad itself. Please see revised plat, drill plan, directional plan and exception location letter indicating the proposed new surface hole

Approved by the
April 14, 2015
Oil, Gas and Mining

Date: _____
By: Derek Duff

NAME (PLEASE PRINT) Kristen Johnson	PHONE NUMBER 303 308-6270	TITLE Regulatory Technician
SIGNATURE N/A		DATE 4/9/2015

T3S, R1E, U.S.B.&M.**NOTES:**

▲ = Section Corners Located

△ = Section Corners Located Not Monumented

- Well footages are measured at right angles to the Section Lines.
- Bearings and distances shown on this plat are based upon a local Cartesian Grid which is oriented to Geodetic North at the SE Corner of Section 36, T3S, R1E, U.S.B.&M. the grid having a mean project height of 5,000'. Lineal units used are U.S. Survey Foot. Trimble G.P.S. equipment was used in performance of this survey.
- Latitude and Longitude are NAD 83 (2011) Epoch 2010. Elevations are NAVD 88. Both derived from the Utah Virtual Reference Station Control System (VRS).

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PLAT**KENDALL 15-17-3-1E****658' FSL, 1979' FEL (Bottom Hole)****SW ¼ SE ¼ OF SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.****SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John R. Slough
PROFESSIONAL LAND SURVEYOR
LICENCE No. 6028691
STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 1 OF 14
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	
SCALE: 1" = 1000'	Date Last Revised: 4-7-15 S.A.	

WELL NAME	SURFACE POSITION			BOTTOM HOLE		
	NAD83			NAD83		
	LATITUDE	LONGITUDE	FOOTAGES	LATITUDE	LONGITUDE	FOOTAGES
KENDALL 16-17-3-1E	40.217212°N	109.899469°W	925' FSL 541' FEL	40.216692°N	109.899732°W	657' FSL 660' FEL
KENDALL 15-17-3-1E	40.217423°N	109.899303°W	847' FSL 587' FEL	40.216717°N	109.904454°W	658' FSL 1979' FEL



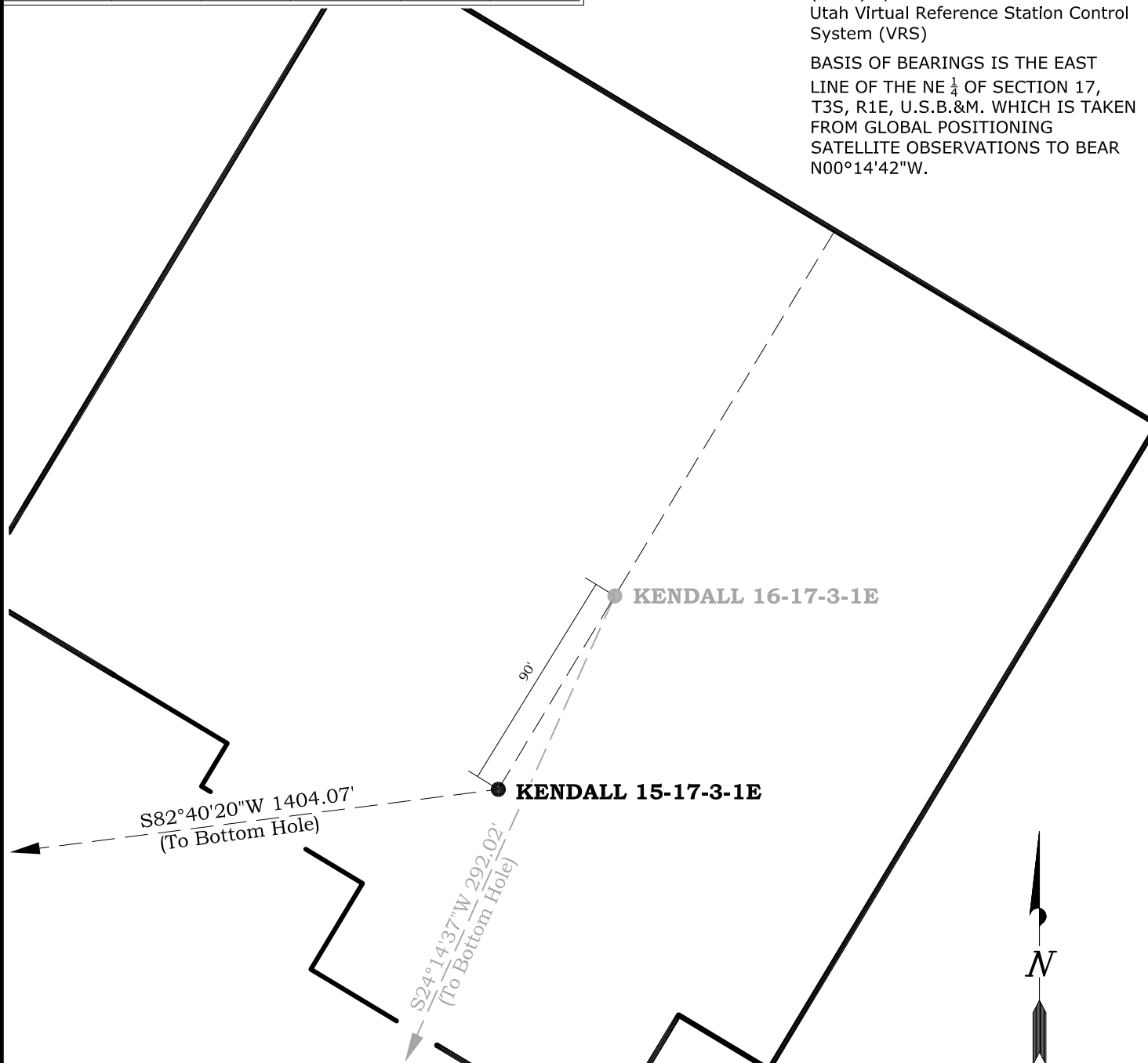
SCALE

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST
KENDALL 16-17-3-1E	-266.3'	-119.9'	KENDALL 15-17-3-1E	-179.1'	-1392.6'

Latitude and Longitude are NAD 83 (2011) Epoch 2010. Derived from the Utah Virtual Reference Station Control System (VRS)

BASIS OF BEARINGS IS THE EAST LINE OF THE NE $\frac{1}{4}$ OF SECTION 17, T3S, R1E, U.S.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°14'42"W.

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PAD INTERFERENCE PLAT

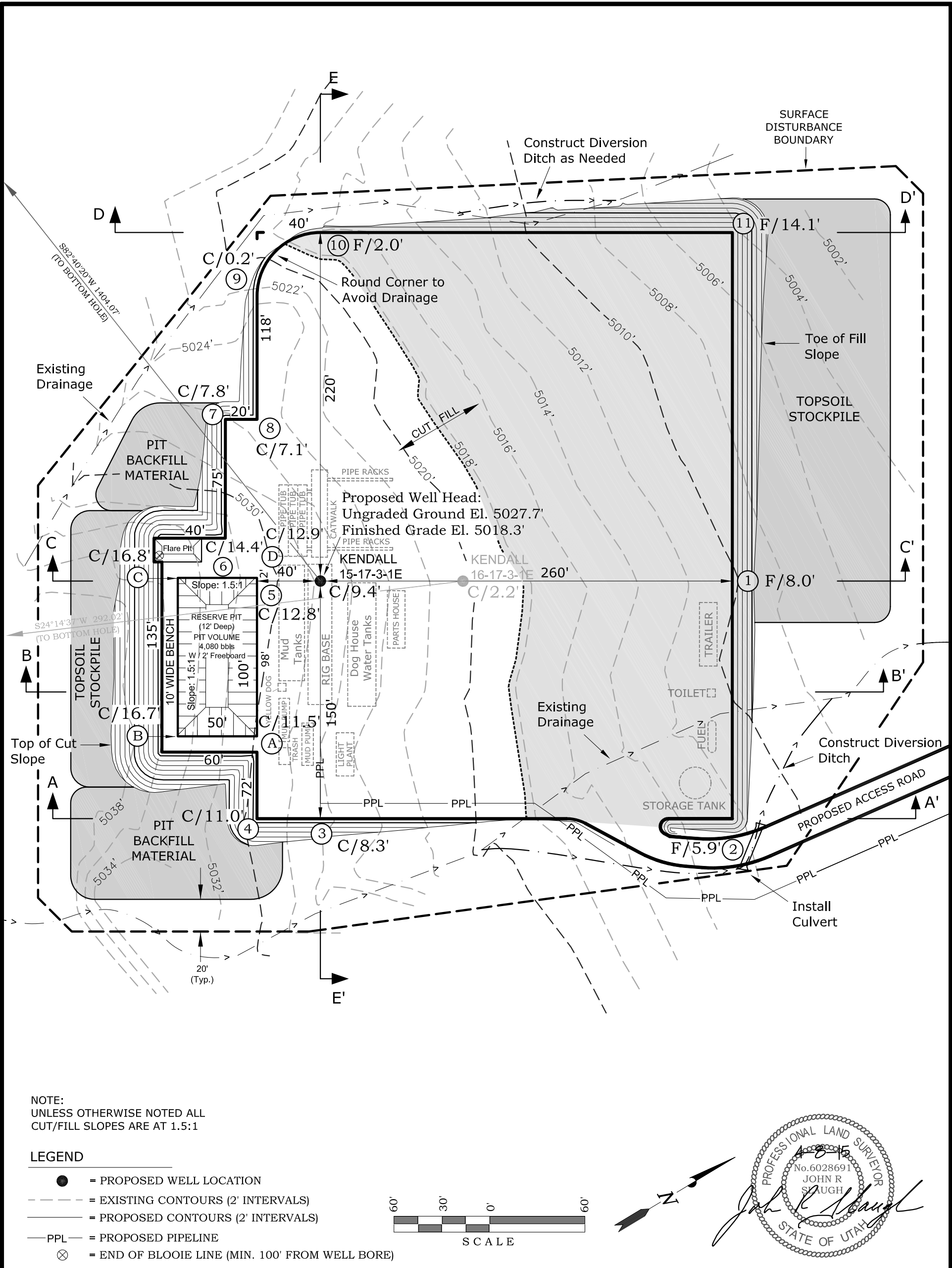
KENDALL 15-17-3-1E
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UTAH COUNTY, UTAH.

TIMBERLINE

(435) 789-1365

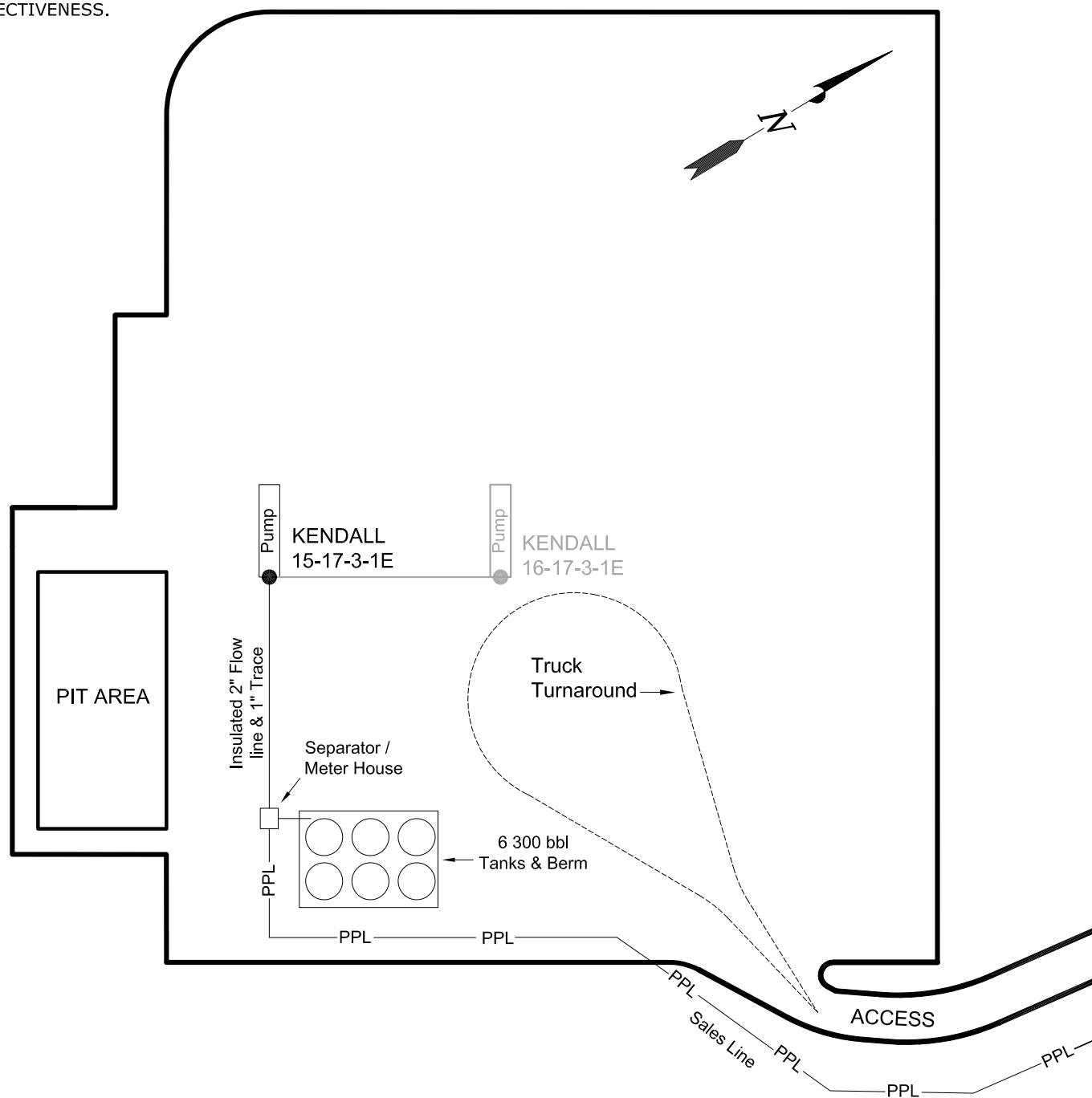
ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 2 OF 14
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	
SCALE: 1" = 60'	Date Last Revised: 4-7-15 S.A.	



<div>CRESCENT POINT ENERGY</div> <div>555 17th Street, Suite 1800 - Denver, Colorado 80202</div>		<div>PAD FOOTPRINT AREA = ±2.761 ACRES</div> <div>PAD DISTURBANCE AREA (Cut/Fill Slopes, Stockpiles) = ±4.132 ACRES</div> <div>AREA WITHIN SURFACE DISTURBANCE BOUNDARY = ±5.378 ACRES</div>		<div>REFERENCE POINTS:</div> <div>310' NORTHEASTERLY, EL = 5006.8'</div> <div>360' NORTHEASTERLY, EL = 5004.7'</div> <div>270' NORTHWESTERLY, EL = 5017.7'</div> <div>320' NORTHWESTERLY, EL = 5020.8'</div>		
<div>WELL PAD - LOCATION LAYOUT</div>						
<div>KENDALL 15-17-3-1E</div> <div>847' FSL & 587' FEL</div> <div>LOCATED IN SECTION 17, T3S, R1E,</div> <div>U.S.B.&M., UINTAH COUNTY, UTAH.</div>		<div>ESTIMATED EARTHWORK QUANTITIES</div> <div>(No shrink or swell adjustments have been used)</div> <div>(Expressed in Cubic Yards)</div> <div>6" Topsoil Stripping = 2,620</div> <div>Remaining Cut (Including Pit Material) = 16,460</div> <div>TOTAL CUT = 19,080</div> <div>FILL = 15,290</div> <div>Pit Backfill = 1,170, Excess Material = 0</div>		<div>TIMBERLINE</div> <div>(435) 789-1365</div> <div>ENGINEERING & LAND SURVEYING, INC.</div> <div>209 NORTH 300 WEST - VERNAL, UTAH 84078</div>		
		<div>DATE SURVEYED: 10-1-14</div> <div>DATE DRAWN: 10-16-14</div> <div>SCALE: 1" = 60'</div>		<div>SURVEYED BY: A.F.</div> <div>DRAWN BY: S.A.</div> <div>Date Last Revised: 4-7-15 S.A.</div>		<div>SHEET NO:</div> <div>3</div> <div>OF 14</div>

NOTE:
 PRODUCTION EQUIPMENT LOCATION
 COULD VARY DUE TO SITE AND OPERATION
 EFFECTIVENESS.



LEGEND

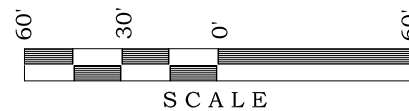
- = PROPOSED WELL LOCATION
 — PPL — = PROPOSED PIPELINE

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PAD - FACILITY DIAGRAM

KENDALL 15-17-3-1E
847' FSL & 587' FEL
LOCATED IN SECTION 17, T3S, R1E,
U.S.B.&M., UINTAH COUNTY, UTAH.



TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 4 OF 14
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	
SCALE: 1" = 60'	Date Last Revised: 4-7-15 S.A.	



555 17th Street, Suite 1800
Denver, CO 80202
Phone: (720) 880-3610

April 9th, 2015

State of Utah Division of Oil, Gas and Mining
Attention: Brad Hill
1594 West North Temple
Salt Lake City, UT 84116

**RE: Directional Drilling (R649-3-11) & Exception Location Request (R649-3-3)
Kendall 15-17-3-1E**

*Surface Location: SESE of Section 17
847' FSL & 587' FEL*

*Target Location: SWSE of Section 17
658' FSL & 1979' FEL*

*T3S-R1E, USM
Uintah County, Utah*

Dear Mr. Hill:

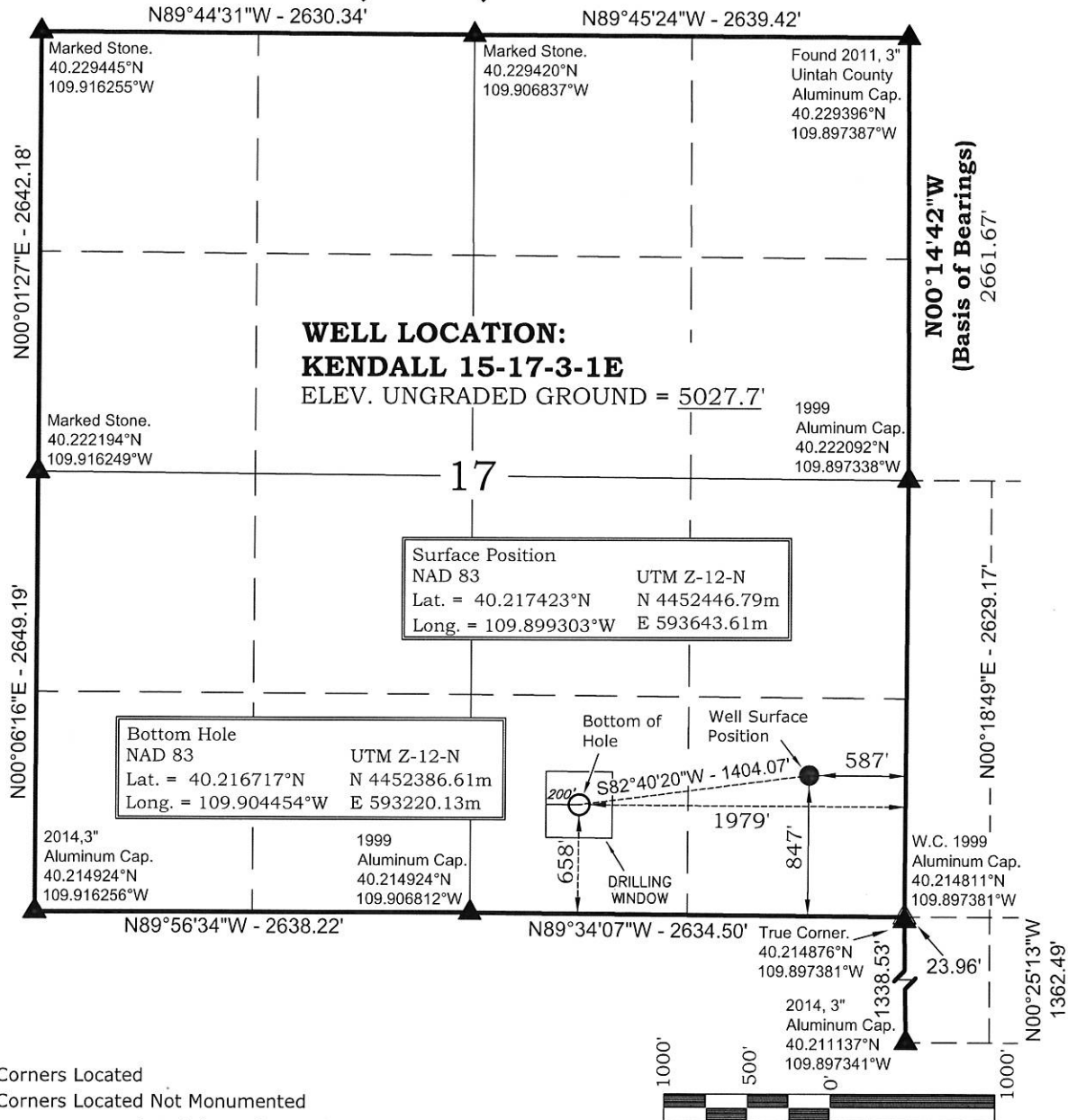
Pursuant to the filing of Crescent Point Energy U.S. Corp's (Crescent Point) Application for Permit to Drill regarding the above referenced well, and in accordance with Oil & Gas Conservation Rules R649-3-11 and R649-3-3, we are hereby submitting this letter as notice of our intention to directionally drill the captioned well and request that DOGM administratively grant an exception location for the Kendall 15-17-3-1E.

- Crescent Point is permitting the Kendall 15-17-3-1E as a directional well. The surface location was moved outside the legal window from the center of the quarter/quarter due to difficult topography.
- Crescent Point has notified and obtained consent from all other working interest owners within a 460' radius along all points of the intended wellbore.

Therefore, based on the above stated information, Crescent Point requests the permit be granted pursuant to R649-3-11 and R649-3-3. If you have any questions or require further information, please don't hesitate to contact the undersigned at 720-880-3625 or by email at nbailey@crescentpointenergy.com. Your consideration of this matter is greatly appreciated.

Sincerely,
Crescent Point Energy U.S. Corp


Nicole Bailey
Landman

T3S, R1E, U.S.B.&M.**NOTES:**

- ▲ = Section Corners Located
- △ = Section Corners Located Not Monumented
- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings and distances shown on this plat are based upon a local Cartesian Grid which is oriented to Geodetic North at the SE Corner of Section 36, T3S, R1E, U.S.B.&M. the grid having a mean project height of 5,000'. Lineal units used are U.S. Survey Foot. Trimble G.P.S. equipment was used in performance of this survey.
- 3. Latitude and Longitude are NAD 83 (2011) Epoch 2010. Elevations are NAVD 88. Both derived from the Utah Virtual Reference Station Control System (VRS).

CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

WELL PLAT

KENDALL 15-17-3-1E
658' FSL, 1979' FEL (Bottom Hole)
SW $\frac{1}{4}$ SE $\frac{1}{4}$ OF SECTION 17, T3S, R1E,
U.S.B.&M., UTAH COUNTY, UTAH.

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John R. Slough
 PROFESSIONAL LAND SURVEYOR
 LICENCE No. 6028691
 STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 10-1-14	SURVEYED BY: A.F.	SHEET NO: 1
DATE DRAWN: 10-16-14	DRAWN BY: S.A.	OF 14
SCALE: 1" = 1000'	Date Last Revised: 4-7-15 S.A.	



March 25, 2015

International Petroleum, LLC
4834 S Highland Drive
Crescent Point, Suite 200
Salt Lake City, UT 84117

RE: Exception Location Request
Kendall 15-17-3-1E
Township 3 South, Range 1 East, USM
Section 17: S2SE
Uintah County, Utah

Dear Mr. Wixom:

The surface location of Crescent Point Energy U.S. Corp's ("Crescent Point") captioned well falls outside the legal drilling window as required by the State of Utah's default well siting rule R649-3-2. In accordance with R649-3-11, Crescent Point intends to drill the well directionally from a surface location of 847' FSL & 587' FEL to a bottom hole location at 658' FSL & 1979' FEL. The well will only be perforated and produced from the portion of the wellbore that falls within the legal 400' square window located in the SWSE of Section 17, T3S-R1E. A copy of the survey plat is attached hereto for your reference.

International Petroleum, LLC owns an interest in the wellbore.

Due to these circumstances, Crescent Point respectfully requests your consent to the above described exception location. If you are in agreement, please verify your consent by signing and dating in the space provided on the second page and return to my attention at nbailey@crescentpointenergy.com. You may also reach me with any questions at (720) 880-3625. Your timely consideration is greatly appreciated.

Sincerely,


Nicole Bailey
Landman

Please be advised that International Petroleum, LLC does not have an objection to the directional drilling or exception location of the Kendall 15-17-3-1E.



By
Mark D. Wixom, Member Manager

Name & Title

4-9-2015

Date



Crescent Point Energy

Unitah County

Section 17 T3S, R1E

Kendall 15-17-3-1E

Wellbore #1

Plan: Design #1

Standard Planning Report

25 March, 2015





Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Kendall 15-17-3-1E
Company:	Crescent Point Energy	TVD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Project:	Unitah County	MD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Site:	Section 17 T3S, R1E	North Reference:	True
Well:	Kendall 15-17-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Unitah County		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Section 17 T3S, R1E				
Site Position:		Northing:	7,251,921.91 usft	Latitude:	40° 13' 2.723 N
From:	Lat/Long	Easting:	2,087,388.03 usft	Longitude:	109° 53' 57.491 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.03

Well	Kendall 15-17-3-1E, SHL: 40° 13' 1.963 -109° 53' 58.088					
Well Position	+N/-S	-76.9 usft	Northing:	7,251,844.22 usft	Latitude:	40° 13' 1.963 N
	+E/-W	-46.4 usft	Easting:	2,087,343.06 usft	Longitude:	109° 53' 58.088 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	5,030.3 usft	Ground Level:	5,018.3 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/25/2015	10.79	65.87	52,017

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	262.62

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,509.8	0.00	0.00	2,509.8	0.0	0.0	0.00	0.00	0.00	0.00	
4,259.8	35.00	262.62	4,153.0	-66.5	-513.8	2.00	2.00	0.00	262.62	
4,900.5	35.00	262.62	4,677.8	-113.7	-878.3	0.00	0.00	0.00	0.00	
6,650.5	0.00	0.00	6,321.0	-180.3	-1,392.1	2.00	-2.00	0.00	180.00	15-17-3-1E TGT
9,639.5	0.00	0.00	9,310.0	-180.3	-1,392.1	0.00	0.00	0.00	0.00	



Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Kendall 15-17-3-1E
Company:	Crescent Point Energy	TVD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Project:	Unitah County	MD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Site:	Section 17 T3S, R1E	North Reference:	True
Well:	Kendall 15-17-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
0.1	0.00	0.00	0.1	0.0	0.0	0.0	0.00	0.00	0.00
SHL: 847 ft FSL, 587 ft FEL									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,208.0	0.00	0.00	2,208.0	0.0	0.0	0.0	0.00	0.00	0.00
BMSGW									
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,509.8	0.00	0.00	2,509.8	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	1.80	262.62	2,600.0	-0.2	-1.4	1.4	2.00	2.00	0.00
2,700.0	3.80	262.62	2,699.9	-0.8	-6.3	6.3	2.00	2.00	0.00
2,800.0	5.80	262.62	2,799.5	-1.9	-14.6	14.7	2.00	2.00	0.00
2,900.0	7.80	262.62	2,898.8	-3.4	-26.3	26.5	2.00	2.00	0.00
3,000.0	9.80	262.62	2,997.6	-5.4	-41.5	41.8	2.00	2.00	0.00
3,100.0	11.80	262.62	3,095.8	-7.8	-60.1	60.6	2.00	2.00	0.00
3,200.0	13.80	262.62	3,193.3	-10.6	-82.1	82.7	2.00	2.00	0.00
3,300.0	15.80	262.62	3,290.0	-13.9	-107.4	108.3	2.00	2.00	0.00
3,400.0	17.80	262.62	3,385.7	-17.6	-136.1	137.2	2.00	2.00	0.00
3,500.0	19.80	262.62	3,480.4	-21.8	-168.0	169.4	2.00	2.00	0.00
3,600.0	21.80	262.62	3,573.9	-26.3	-203.3	205.0	2.00	2.00	0.00
3,700.0	23.80	262.62	3,666.1	-31.3	-241.7	243.7	2.00	2.00	0.00
3,800.0	25.80	262.62	3,756.8	-36.7	-283.3	285.7	2.00	2.00	0.00
3,900.0	27.80	262.62	3,846.1	-42.5	-328.0	330.8	2.00	2.00	0.00
4,000.0	29.80	262.62	3,933.7	-48.7	-375.8	378.9	2.00	2.00	0.00
4,100.0	31.80	262.62	4,019.6	-55.2	-426.6	430.1	2.00	2.00	0.00
4,200.0	33.80	262.62	4,103.6	-62.2	-480.3	484.3	2.00	2.00	0.00
4,259.8	35.00	262.62	4,153.0	-66.5	-513.8	518.1	2.00	2.00	0.00
Start 640.7 hold at 4259.8 MD									
4,300.0	35.00	262.62	4,185.9	-69.5	-536.7	541.2	0.00	0.00	0.00
4,400.0	35.00	262.62	4,267.8	-76.9	-593.6	598.5	0.00	0.00	0.00
4,500.0	35.00	262.62	4,349.7	-84.2	-650.4	655.9	0.00	0.00	0.00
4,600.0	35.00	262.62	4,431.6	-91.6	-707.3	713.2	0.00	0.00	0.00



Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Kendall 15-17-3-1E
Company:	Crescent Point Energy	TVD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Project:	Unitah County	MD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Site:	Section 17 T3S, R1E	North Reference:	True
Well:	Kendall 15-17-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.0	35.00	262.62	4,513.6	-99.0	-764.2	770.6	0.00	0.00	0.00
4,800.0	35.00	262.62	4,595.5	-106.3	-821.1	827.9	0.00	0.00	0.00
4,900.5	35.00	262.62	4,677.8	-113.7	-878.3	885.6	0.00	0.00	0.00
Start Drop -2.00									
4,906.8	34.87	262.62	4,683.0	-114.2	-881.9	889.2	2.00	-2.00	0.00
Up. Green River									
5,000.0	33.01	262.62	4,760.3	-120.9	-933.4	941.2	2.00	-2.00	0.00
5,100.0	31.01	262.62	4,845.1	-127.7	-986.0	994.2	2.00	-2.00	0.00
5,200.0	29.01	262.62	4,931.7	-134.1	-1,035.6	1,044.3	2.00	-2.00	0.00
5,300.0	27.01	262.62	5,019.9	-140.1	-1,082.2	1,091.2	2.00	-2.00	0.00
5,400.0	25.01	262.62	5,109.8	-145.8	-1,125.7	1,135.1	2.00	-2.00	0.00
5,500.0	23.01	262.62	5,201.2	-151.0	-1,166.0	1,175.8	2.00	-2.00	0.00
5,521.5	22.58	262.62	5,221.0	-152.1	-1,174.3	1,184.1	2.00	-2.00	0.00
Mahogany									
5,600.0	21.01	262.62	5,293.9	-155.8	-1,203.2	1,213.2	2.00	-2.00	0.00
5,700.0	19.01	262.62	5,387.8	-160.2	-1,237.1	1,247.5	2.00	-2.00	0.00
5,800.0	17.01	262.62	5,482.9	-164.2	-1,267.8	1,278.4	2.00	-2.00	0.00
5,900.0	15.01	262.62	5,579.0	-167.7	-1,295.1	1,305.9	2.00	-2.00	0.00
6,000.0	13.01	262.62	5,676.0	-170.8	-1,319.1	1,330.2	2.00	-2.00	0.00
6,100.0	11.01	262.62	5,773.9	-173.5	-1,339.8	1,351.0	2.00	-2.00	0.00
6,200.0	9.01	262.62	5,872.3	-175.7	-1,357.0	1,368.3	2.00	-2.00	0.00
6,300.0	7.01	262.62	5,971.3	-177.5	-1,370.8	1,382.3	2.00	-2.00	0.00
6,400.0	5.01	262.62	6,070.8	-178.9	-1,381.2	1,392.8	2.00	-2.00	0.00
6,500.0	3.01	262.62	6,170.5	-179.8	-1,388.2	1,399.7	2.00	-2.00	0.00
6,600.0	1.01	262.62	6,270.5	-180.2	-1,391.6	1,403.3	2.00	-2.00	0.00
6,650.5	0.00	0.00	6,321.0	-180.3	-1,392.1	1,403.7	2.00	-2.00	0.00
Start 2989.0 hold at 6650.5 MD - G. Gulch (TGR3)									
6,700.0	0.00	0.00	6,370.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,470.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,570.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,670.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,100.0	0.00	0.00	6,770.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,200.0	0.00	0.00	6,870.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,300.0	0.00	0.00	6,970.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,400.0	0.00	0.00	7,070.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,170.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,270.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,667.5	0.00	0.00	7,338.0	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
Douglas Creek									
7,700.0	0.00	0.00	7,370.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,470.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,570.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,670.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,100.0	0.00	0.00	7,770.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,108.5	0.00	0.00	7,779.0	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
Black Shale									
8,200.0	0.00	0.00	7,870.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,233.5	0.00	0.00	7,904.0	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
Castle Peak									
8,300.0	0.00	0.00	7,970.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,070.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,170.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,521.5	0.00	0.00	8,192.0	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00



Payzone Directional Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Kendall 15-17-3-1E
Company:	Crescent Point Energy	TVD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Project:	Unitah County	MD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Site:	Section 17 T3S, R1E	North Reference:	True
Well:	Kendall 15-17-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Uteland									
8,600.0	0.00	0.00	8,270.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,639.5	0.00	0.00	8,310.0	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
Wasatch									
8,700.0	0.00	0.00	8,370.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,470.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,570.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,670.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,100.0	0.00	0.00	8,770.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,200.0	0.00	0.00	8,870.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,300.0	0.00	0.00	8,970.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,070.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,170.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,270.5	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
9,639.4	0.00	0.00	9,309.9	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
BHL: 658 ft FSL, 1979 ft FEL									
9,639.5	0.00	0.00	9,310.0	-180.3	-1,392.1	1,403.7	0.00	0.00	0.00
TD at 9639.5 - TD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
15-17-3-1E TGT	0.00	0.00	6,321.0	-180.3	-1,392.1	7,251,639.07	2,085,954.43	40° 13' 0.181 N	109° 54' 16.034 W
- hit/miss target									
- Shape									
- plan hits target center									
- Rectangle (sides W400.0 H400.0 D2,989.0)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,208.0	2,208.0	BMSGW		0.00		
4,906.8	4,683.0	Up. Green River		0.00		
5,521.5	5,221.0	Mahogany		0.00		
6,650.5	6,321.0	G. Gulch (TGR3)		0.00		
7,667.5	7,338.0	Douglas Creek		0.00		
8,108.5	7,779.0	Black Shale		0.00		
8,233.5	7,904.0	Castle Peak		0.00		
8,521.5	8,192.0	Uteland		0.00		
8,639.5	8,310.0	Wasatch		0.00		
9,639.5	9,310.0	TD		0.00		



Payzone Directional Planning Report



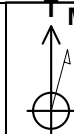
Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Kendall 15-17-3-1E
Company:	Crescent Point Energy	TVD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Project:	Unitah County	MD Reference:	Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)
Site:	Section 17 T3S, R1E	North Reference:	True
Well:	Kendall 15-17-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
0.1	0.1	0.0	0.0	SHL: 847 ft FSL, 587 ft FEL
2,509.8	2,509.8	0.0	0.0	Start Build 2.00
4,259.8	4,153.0	-66.5	-513.8	Start 640.7 hold at 4259.8 MD
4,900.5	4,677.8	-113.7	-878.3	Start Drop -2.00
6,650.5	6,321.0	-180.3	-1,392.1	Start 2989.0 hold at 6650.5 MD
9,639.4	9,309.9	-180.3	-1,392.1	BHL: 658 ft FSL, 1979 ft FEL
9,639.5	9,310.0	-180.3	-1,392.1	TD at 9639.5

Sundry Number: 62480 API Well Number: 43047551310000


Crescent Point
ENERGY CORP

Well Name: Kendall 15-17-3-1E
Surface Location: Section 17 T3S, R1E
North American Datum 1983 US State Plane 1983, Utah Central Zone
Ground Elevation: 5018.3
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 7251844.22 2087343.06 40° 13' 1.963 N 109° 53' 58.088 W
PLAN KB Kendall 15-17-3-1E @ 5030.3usft (PLAN KB)



Azimuths to True North
Magnetic North: 10.79°
Magnetic Field
Strength: 52016.9nT
Dip Angle: 65.87°
Date: 3/25/2015
Model: IGRF2010

Section 17 T3S, R1E
Kendall 15-17-3-1E
Design #1
13:39, March 25 2015

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
15-17-3-1E TGT	6321.0	-180.3	-1392.1	7251639.07	2085954.43	40° 13' 0.181109° 54' 16.034 W	Rectangle (Sides: L400.0 W400.0)	

SECTION DETAILS

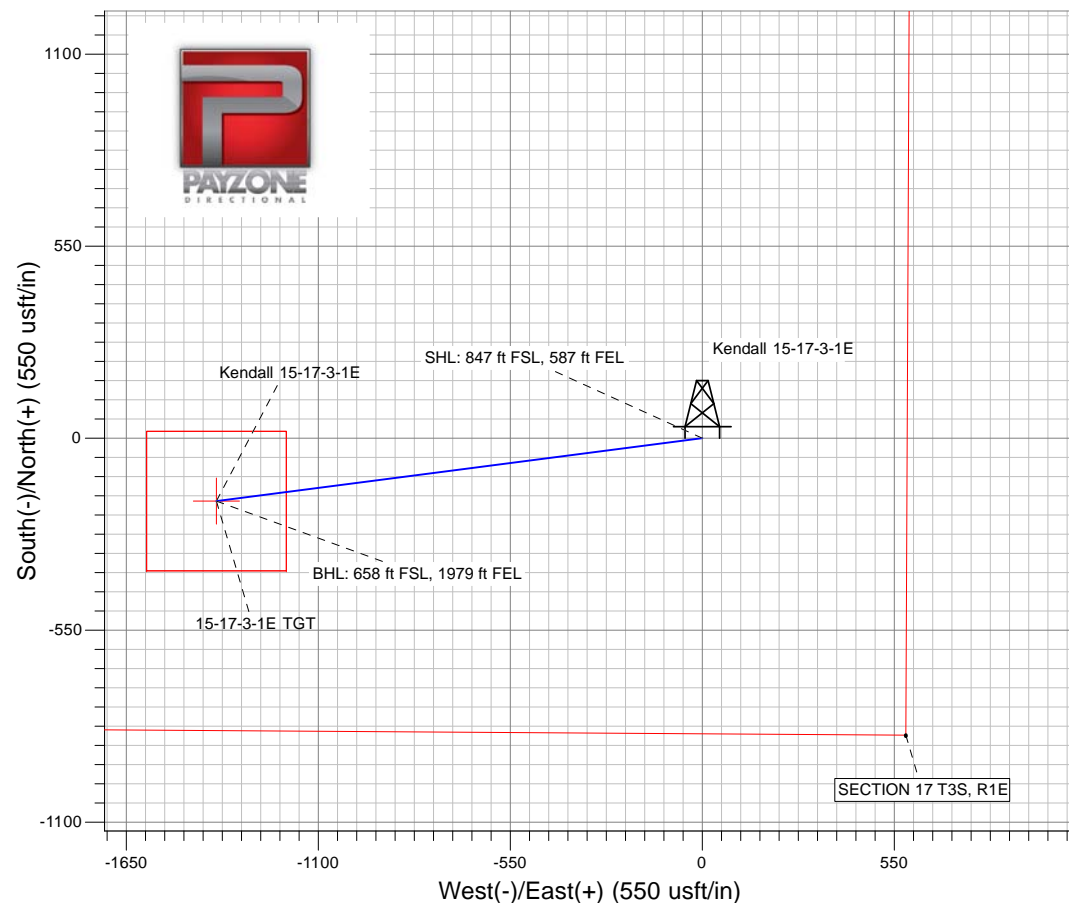
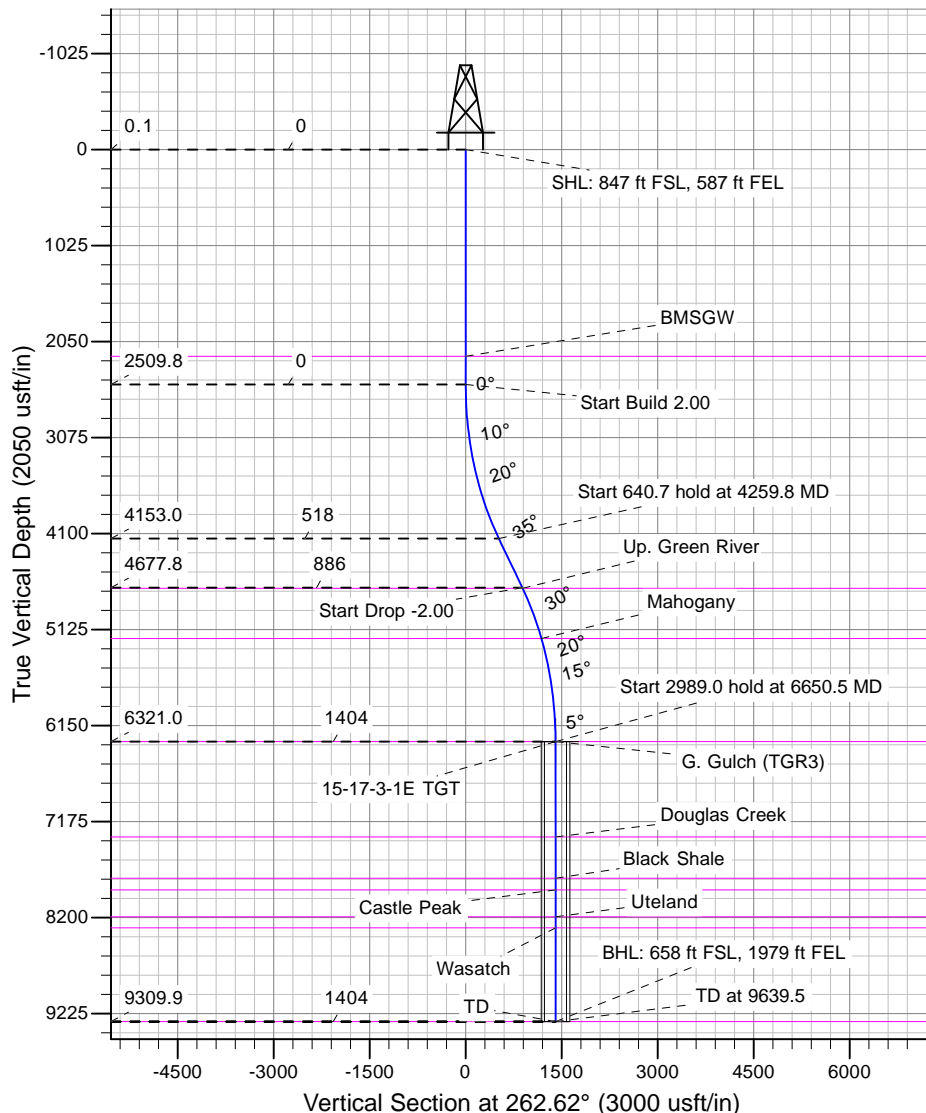
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2509.8	0.00	0.00	2509.8	0.0	0.0	0.00	0.00	0.0	
3	4259.8	35.00	262.62	4153.0	-66.5	-513.8	2.00	262.62	518.1	
4	4900.5	35.00	262.62	4677.8	-113.7	-878.3	0.00	0.00	885.6	
5	6650.5	0.00	0.00	6321.0	-180.3	-1392.1	2.00	180.00	1403.7	15-17-3-1E TGT
6	9639.5	0.00	0.00	9310.0	-180.3	-1392.1	0.00	0.00	1403.7	

ANNOTATIONS

TVD	MD	Annotation
0.1	0.1	SHL: 847 ft FSL, 587 ft FEL
2509.8	2509.8	Start Build 2.00
4153.0	4259.8	Start 640.7 hold at 4259.8 MD
4677.8	4900.5	Start Drop -2.00
6321.0	6650.5	Start 2989.0 hold at 6650.5 MD
9309.9	9639.4	BHL: 658 ft FSL, 1979 ft FEL

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
2208.0	2208.0	BMSGW	0.00	
4683.0	4906.8	Up. Green River	0.00	
5221.0	5521.5	Mahogany	0.00	
6321.0	6650.5	G. Gulch (TGR3)	0.00	
7338.0	7667.5	Douglas Creek	0.00	
7779.0	8108.5	Black Shale	0.00	
7904.0	8233.5	Castle Peak	0.00	
8192.0	8521.5	Uteland	0.00	
8310.0	8639.5	Wasatch	0.00	
9310.0	9639.5	TD	0.00	



Crescent Point Energy U.S. Corp

Kendall 15-17-3-1E

SHL: SE/SE of Section 17, T3S, R1E, USB&M

BHL: SW/SE of Section 17, T3S, R1E, USB&M

SHL: 847' FSL & 587' FEL

BHL: 658' FSL & 1979' FEL

Uintah County, Utah

DRILLING PLAN1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD	Depth-MD
Uinta	Surface	Surface
Upper Green River Marker	4,683'	4,907
Mahogany	5,221'	5,521
Garden Gulch (TGR3)	6,321'	6,651
Douglas Creek	7,338'	7,668
Black Shale	7,779'	8,109
Castle Peak	7,904'	8,234
Uteland	8,192'	8,522
Wasatch	8,310'	8,640
TD	9,310'	9,640

3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil) 4,683' TVD – 8,310' TVD

Wasatch Formation (Oil) 8,310' TVD – 9,310' TVD

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by DOGM at onsite) encountered during drilling will be recorded by depth and adequately protected.

4. Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
Conductor 16" Hole Size 24"	0'	40'	65	H-40	STC	1,640	670	439	API
Surface casing 8-5/8" Hole Size 12-1/4"	0'	2,000'	24	J-55	STC	2,950 810 3.64	1,370 1,117 1.23	244,000 48,000 5.08	API Load SF
Prod casing 5-1/2" Hole Size 7- 7/8"	0'	9,640'	17	L-80	LTC	7,738 6,190 1.25	6,290 4,923 1.28	338,000 164,000 2.06	API Load SF

Assumptions:

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 10.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

Minimum Safety Factors:

Burst = 1.000
 Collapse = 1.125
 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer per joint on the bottom three joints.

Cementing Design:

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft ³ /sk)
Surface casing Lead	1500' – Surface	Class V 2% chlorides	75%	435	12.0	2.50
Surface casing Tail	2000' – 1500'	Class V 2% chlorides	75%	315	15.8	1.15
Prod casing Lead	4900' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	295	11.0	3.46
Prod casing Tail	4900' to TD'	Class G 10% chlorides	15%	540	13.1	1.76

*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The DOGM Roosevelt Field Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the surface casing shoe. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 9, "Sundry Notices and Reports on Wells" shall be filed with the DOGM within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing, depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to $\pm 2000'$ with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in Section 12 of this plan.

From $\pm 2000'$ to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior DOGM approval to ensure adequate protection of fresh water aquifers.

Chemicals on the EPA's Consolidated List of Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) may be used or stored in quantities over reportable quantities. In the course of drilling, Crescent Point Energy U.S. Corp. (Crescent Point) could potentially store and use diesel fuel, sand (silica), hydrochloric acid, and CO₂ gas, all described as hazardous substances in 40 CFR Part 302, Section 302.4, in quantities exceeding 10,000 pounds. In addition, natural gas condensate and crude oil and methanol may be stored or used in reportable quantities. Small quantities of retail products (paint/spray paints, solvents {e.g., WD-40}, and lubrication oil) containing non-reportable volumes of hazardous substances may be stored and used on site at any time. No extremely hazardous substances, as defined in 40 CFR 355, would be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the wells.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

When drilling the 12 ¼" surface hole, an annular diverter or rotating head will be used for well control.

A 3,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 3,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 3,000 psi minimum
- 11" bore, Blind Ram – rated to 3,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)
 - 2 Kill line valves at 2" minimum – one with a check valve
 - Kill line at 2" minimum

- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to DOGM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 3,000 psi for 10 minutes with a test plug. If rams are to be changed for any reason post drillout, the rams will be tested to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have two independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be one source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 2000'. A cement bond log will be run from PBTD to top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

11. Anticipated Starting Date and Duration of Operations

It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately ten (10) days from spud to rig release and two weeks for completions.

12. Variances Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100 ft and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Kendall 15-17-3-1E	
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047551310000	
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202	PHONE NUMBER: 720 880-3621 Ext	9. FIELD and POOL or WILDCAT: INDEPENDENCE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0847 FSL 0587 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 17 Township: 03.0S Range: 01.0E Meridian: U	COUNTY: UINTAH	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 5/1/2015			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescent Point Energy US Corp spud the Kendall 15-17-3-1E with PRO
 PETRO BUCKET RIG #1 at 09:30am on 5/1/2015 .

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 01, 2015

NAME (PLEASE PRINT) Kristen Johnson	PHONE NUMBER 303 308-6270	TITLE Regulatory Technician
SIGNATURE N/A		DATE 5/1/2015

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		8. WELL NAME and NUMBER: Kendall 15-17-3-1E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0847 FSL 0587 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		9. API NUMBER: 43047551310000
PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: INDEPENDENCE
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/8/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescent Point Energy respectfully submits the attached proposal for modification to the surface casing.

Approved by the
May 08, 2015
Oil, Gas and Mining

Date: _____

By: 

NAME (PLEASE PRINT) Lori Browne	PHONE NUMBER 720 420-3246	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 5/8/2015	

Crescent Point Energy respectfully requests to change from 9-5/8" J55 36 ppg surface casing to 8-5/8" J55 24 ppg surface casing. The well was originally planned for 9-5/8" when it was deemed necessary for directional tool purposes, however since the wells were first permitted the smaller casing size no longer poses any issues for drilling directionally. Please see attached the updated casing design and cement design programs. The 8-5/8" surface casing string passes all load scenarios. Additionally, Crescent Point Energy would like to set surface casing at 1,000' TVD versus the original 2,000' TVD. The deeper surface casing was planned to cover the BMSGW but per our conversations with Dustin Doucet at UDOGM we will provide isolation between the BMSGW and deeper hydrocarbon bearing zones with our production cement. The 13.1 ppg tail is planned to 4,600' TVD (~68' above the top of the upper green river) and our lead cement has been increased from the original 11.0 ppg to a 11.5 ppg cement blend that achieves 641 psi compressive strength in 72 hours (please see attached lab results from Halliburton).

Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
Conductor 16" Hole Size 24"	0'	40'	65	H-40	STC	1,640	670	439	API
Surface casing 8-5/8" Hole Size 12-1/4"	0'	1,000'	24	J-55	STC	2,950 405 7.27	1,370 707 1.94	244,000 24,000 10.17	API Load SF
Prod casing 5-1/2" Hole Size 7- 7/8"	0'	9,310'	17	L-80	LTC	7,738 6,190 1.25	6,290 4,790 1.31	348,000 155,500 2.18	API Load SF

Cementing Design:

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft ³ /sk)
Surface casing	1000' - surface	Class V 2% chlorides	75%	630	15.8	1.15
Prod casing Lead	4600' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	415	11.5	2.35
Prod casing Tail	TD to 4600'	Class G 10% chlorides	15%	515	13.1	1.76

HALLIBURTON

Rockies, Vernal

Lab Results- Lead

Job Information

Request/Slurry	2228579/5	Rig Name	Any	Date	24/MAR/2015
Submitted By	Ryan Keeran	Job Type	Production Casing	Bulk Plant	Vernal
Customer	Halliburton	Location		Well	Any

Well Information

Casing/Liner Size	Depth MD	2438 m / 8000 ft	BHST	79°C / 174°F
Hole Size	Depth TVD	2438 m / 8000 ft	BHCT	52°C / 125°F
Pressure	338 bar / 4900 psi			

Drilling Fluid Information

Mud Supplier Name	Mud Trade Name	Density
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Cement Information - Lead Design

Conc	UOM	Cement/Additive	Sample Type	Sample Date	Lot No.	Cement Properties		
30	%	> Boral Craig Pozmix	Lab	14.04.15	silo 3	Slurry Density	11.5	lbm/gal
60	%	> Holcim Type II/V	Bulk Blend	11.04.15	Silo 7	Slurry Yield	2.3562	ft3/sack
10	%	> Silicalite - Compacted	Lab	02.04.15		Water Requirement	13.4977	gal/sack
100	% BWOC	Cement Blend				Total Mix Fluid	13.50	gal/sack
13.5	gal/sack	Fresh Water	Lab	07.04.15				
		Bentonite Wyoming - PB	Lab	06.04.15				
		HALAD-344 (PB)	Lab	14.04.15		Water Source	Fresh Water	
		SA-1015 (PB)	Lab	14.04.15	4K1006W	Water Chloride		
5	lb/sk	WellLife 708 (PB)	Bulk Blend	14.10.14	10-13-2014			
0.25	lb/sk	Pol-E-Flake						

Project Test Results Request ID 2228579/5**Mixability (0 - 5) - 0 is not mixable**

31/MAR/2015

Mixability rating (0 - 5)	Avg rpm mixing under load (~12,000)
5	12000

Added 6 drops of D-air 3000L

Free Fluid API 10B-2 / ISO 10426-2

31/MAR/2015

Con. Temp (F)	Cond. Time (min)	Static time (min)	Incl. (deg)	% Fluid
125	30	120	45	0

light, small uniform bubbles throughout cement

API Fluid Loss

01/APR/2015

Test Temp (°F)	Test Pressure (psi)	Test Time (min)	API FL (cc/30 min)	Meas. Vol.	Conditioning time (min)
125	1000	30	118	59	30

Added 6 drops of D-air 3000L

API Rheology

01/APR/2015

Temp (°F)	600	300	200	100	60	30	6	3	PV/YP
80	59	36	28	19	15	11	7	5	30.17 / 7.5

These are draft results and have not been approved for final use.

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Crush Compressive Strength							06/APR/2015
Conditioning Time (min)	Curing Temp (°F)	Curing Pressure (psi)	Time 1 (hrs)	Strength 1	Time 2 (hrs)	Strength 2	Foam Q (%)
30	161	1000	24	250	24	300	0

UCA Comp. Strength									09/APR/2015
End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	12 hr CS (psi)	24 hr CS (psi)	48 hr CS (psi)	End CS (psi)	End Time (hrs)	
161	3000	7:46	39:04	110.99	329.23	564.02	641	72	

API Sedimentation Test								06/APR/2015
Temp (°F)	Result Type	1	2	3	4	5	AVG. S.G.	St. DEV.
161	SG	1.349	1.392	1.394	1.399	1.405	1.388	0.022
	Dev.(%)	-2.795	0.299	0.471	0.820	1.205		

Thickening Time - Thixotropic Cup							02/APR/2015
Temp (°F)	Reached in (min)	Pressure (psi)	Start Bc	End Time (hh:mm)	End Bc		
125	41	4900	5.8	12:00	15.1		

FYSA Viscosity Profile & Gel Strength																31/MAR/2015
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP	
80	9	16	12	9	8	6	4	3	1	1	0.275	0.703	0	28.85 / 9.57	1.46	

FYSA Viscosity Profile & Gel Strength																11/APR/2015
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	Cond. time	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
102	50	15	10	7	5	4	3	2	0	0	30	0.275	0.703	0	192.03 / -0.29	0

Weigh Up 6 & 7

FYSA Viscosity Profile & Gel Strength																11/APR/2015
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	Cond. time	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
125	33	15	10	6	5	4	3	2	0	0	30	0.275	0.703	0	127.8 / 2.39	0

Weigh Up 6 & 7

Crush Compressive Strength							09/APR/2015
Conditioning Time (min)	Curing Temp (°F)	Curing Pressure (psi)	Time 1 (hrs)	Strength 1	Time 2 (hrs)	Strength 2	Foam Q (%)
30	161	1000	72	525	72	437.5	0

FYSA Viscosity Profile & Gel Strength																11/APR/2015
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP	
80	46	17	12	9	8	7	4	3	0	0	0.275	0.703	0	169.87 / 3.6	0	

Weigh Up 6 & 7

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Static Gel Strength (MACS II)**15/APR/2015**

Temp (°F)	Pressure (psi)	Time 100 lb/100ft2 (h:m)	Time 200 lb/100ft2 (hh:mm)	Time 300 lb/100ft2 (hh:mm)	Time 400 lb/100ft2 (hh:mm)	Time 500 lb/100ft2 (hh:mm)	CSGSP or 100-500 lb/100ft2 (hh:mm)	Test speed [deg/min]	Cond. time (min)
125	4900	1:49	2:05	2:15	2:26	2:35	00:46	0.22	60

CSGS = critical static gel strength, which may be greater or less than 100 lbf/100 sq.ft.

Zero Gel Time = Time 100 lbf/100 sq.ft., or Time CSGS if applicable

Transition Time = Time CSGSP or 100 - 500 lbf/100 sq.ft.

The CSGS value must be provided by the requesting engineer as it is not a tested value.

Time XXX is to be understood as Time to XXX from start of the gel test.

Refer to API RP 65 section 5.7.8 for explanation of the terms.

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HALLIBURTON

Rockies, Vernal

Lab Results- Lead

Job Information

Request/Slurry	2227023/8	Rig Name	Any	Date	18/MAR/2015
Submitted By	Ryan Keeran	Job Type	Production Casing	Bulk Plant	Vernal
Customer	Halliburton	Location		Well	Any

Well Information

Casing/Liner Size	Depth MD	2438 m / 8000 ft	BHST	79°C / 174°F
Hole Size	Depth TVD	2438 m / 8000 ft	BHCT	52°C / 125°F
Pressure	338 bar / 4900 psi			

Drilling Fluid Information

Mud Supplier Name	Mud Trade Name	Density
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Cement Information - Lead Design

Conc	UOM	Cement/Additive	Sample Type	Sample Date	Lot No.	Cement Properties		
30	%	> Boral Craig Pozmix	Lab	02.05.15	4/28/2015	Slurry Density	12.5	lbm/gal
60	%	> Holcim Type II/V	Lab	29.04.15	101809640	Slurry Yield	1.7932	ft3/sack
10	%	> Silicalite - Compacted	Lab	22.04.15		Water Requirement	9.2436	gal/sack
100	% BWOC	Cement Blend				Total Mix Fluid	9.24	gal/sack
9.24	gal/sack	Fresh Water	Lab	07.04.15				
		Bentonite Wyoming - PB	Lab	06.04.15				
		HALAD-344 (PB)	Lab	17.04.15		Water Source	Fresh Water	
		SA-1015 (PB)	Lab	14.04.15	4K1006W	Water Chloride		
5	lb/sk	WellLife 708 (PB)	Bulk Blend	14.10.14	10-13-2014			
0.25	lb/sk	Pol-E-Flake	Lab	20.03.15	3/20/2015			
0.5	% BWOC	HR-5 (PB)	Lab	14.04.15	213			

Project Test Results Request ID 2227023/8**Mixability (0 - 5) - 0 is not mixable** **05/APR/2015**

Mixability rating (0 - 5)	Avg rpm mixing under load (~12,000)
5	12000

Free Fluid API 10B-2 / ISO 10426-2 **11/APR/2015**

Con. Temp (F)	Cond. Time (min)	Static time (min)	Incl. (deg)	% Fluid
125	30	120	45	0

API Fluid Loss **11/APR/2015**

Test Temp (°F)	Test Pressure (psi)	Test Time (min)	API FL (cc/30 min)	Meas. Vol.	Conditioning time (min)
125	1000	30	84	42	30

API Rheology **13/APR/2015**

Temp (°F)	600	300	200	100	60	30	6	3	PV/YP
80	119	70	55	37	27	21	11	9	60.32 / 13.44

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UCA Comp. Strength							20/APR/2015
End Temp (°F)	Pressure (psi)	50 psi (hh:mm)	500 psi (hh:mm)	12 hr CS (psi)	24 hr CS (psi)	End CS (psi)	End Time (hrs)
161	3000	10:16	15:45	202.29	1103.58	15.27	72

API Sedimentation Test							19/APR/2015	
Temp (°F)	Result Type	1	2	3	4	5	AVG. S.G.	St. DEV.
161	SG	1.339	1.401	1.466	1.500	1.507	1.443	0.072
	Dev.(%)	-7.171	-2.929	1.636	4.000	4.464		

Thickening Time - Thixotropic Cup							05/APR/2015
Temp (°F)	Reached in (min)	Pressure (psi)	Start Bc	26 Bc (hh:mm)	37 Bc (hh:mm)	End Time (hh:mm)	End Bc
125	41	4900	5.7	7:04	7:49	9:51	56.7

FYSA Viscosity Profile & Gel Strength													13/APR/2015		
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
80	62	31	24	16	13	11	8	6	1	1	0.275	0.703	0	229.06 / 9.98	1.46

FYSA Viscosity Profile & Gel Strength																13/APR/2015
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	Cond. time	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
102	61	29	23	15	12	8	4	3	0	0	30	0.275	0.703	0	237.03 / 6.32	0

FYSA Viscosity Profile & Gel Strength																13/APR/2015
Test Temp (°F)	600	300	200	100	60	30	6	3	3D - 3 rpm Decay	6D - 6 rpm Decay	Cond. time	K1 factor	K2 factor	Foam Quality	PV/YP	FYSA Direct YP
125	59	26	21	13	11	8	4	3	0	0	30	0.275	0.703	0	227.14 / 5.41	0

Thickening Time - Thixotropic Cup					08/APR/2015
Temp (°F)	Reached in (min)	Pressure (psi)	Start Bc	26 Bc (hh:mm)	37 Bc (hh:mm)
125	41	4900	5.4	5:09	6:16

Thickening Time - Thixotropic Cup							09/APR/2015
Temp (°F)	Reached in (min)	Pressure (psi)	Start Bc	26 Bc (hh:mm)	37 Bc (hh:mm)	End Time (hh:mm)	End Bc
125	41	4900	1.6	5:33	5:55	5:56	37

Crush Compressive Strength							04/MAY/2015
Conditioning Time (min)	Curing Temp (°F)	Curing Pressure (psi)	Time 1 (hrs)	Strength 1	Time 2 (hrs)	Strength 2	Foam Q (%)
30	161	1000	24	675	24	525	0

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		8. WELL NAME and NUMBER: Kendall 15-17-3-1E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0847 FSL 0587 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		9. API NUMBER: 43047551310000
PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: INDEPENDENCE
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/1/2015	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached drill report Kendall 15-17-3-1E encompassing all drilling operations to date.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 02, 2015		
NAME (PLEASE PRINT) Valari Cray	PHONE NUMBER 303 880-3637	TITLE Drilling And Completion Tech
SIGNATURE N/A	DATE 6/1/2015	

Report for: 5/1/2015
Report #: 1.0, DFS: -19.65
Depth Progress:

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE	
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date	
				Ground Elevation (ft) 5,018.00	
				Orig KB Elev (ft) 5,030.00	
Completion Type					
Weather		Temperature (°F)		Road Condition	
				Hole Condition	
Operation At 6am W/O AIR RIG		Operation Next 24hrs			
24 Hr Summary MIRU PRO PETRO BUCKET RIG #1 SPUD WELL @09:30 5/1/2015 DRILL 52' KB 24" CONDUCTOR HOLE, RUN & CEMENT 52' KB 16" CONDUCTOR PIPE, CEMENT T/SURF W/15.8 PPG READY MIX					
Time Log					
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity
					Com
Mud Checks					
<depth>ftKB, <dtm>					
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)
YP OR (lb/100ft²)					
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)
					Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)
					Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)
Drill Strings					
BHA #<stringno>, <des>					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
Nozzles (1/32")			String Length (ft)	Max Nominal OD (in)	
String Components					
Comment					
Drilling Parameters					
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)
				Q Flow (gpm)	WOB (1000lbf)
				RPM (rpm)	SPP (psi)
				Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)
					Drill Tq

AFE Number 1705415US		
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	
Target Formation Wasatch	Target Depth (ftKB) 9,587.0	
Last Casing String Conductor, 52.0ftKB		
Daily Contacts		
Job Contact		Mobile
Rigs		
Caspstar Drilling, 316		
Contractor Caspstar Drilling		Rig Number 316
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)
Mud Weight Amounts		
Des	Field Est (Cost/unit)	Consumed
Safety Checks		
Time	Type	Des
Wellbores		
Wellbore Name	KO MD (ftKB)	
Original Hole		

Report for: 5/11/2015
Report #: 2.0, DFS: -9.65
Depth Progress:

[illegible]

AFE Number 1705415US		
Start Depth (ftKB)	0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 9,587.0	
Last Casing String Surface, 1,050.0ftKB		
Daily Contacts		
Job Contact	Mobile	
Rigs		
Capstar Drilling, 316		
Contractor Capstar Drilling	Rig Number 316	
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473	
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)
Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Safety Checks		
Time	Type	Des
Wellbores		
Wellbore Name	KO MD (ftKB)	
Original Hole		

Report for: 5/21/2015
Report #: 3.0, DFS: -0.65
Depth Progress:

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE	
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date	
				Ground Elevation (ft) 5,018.00	
				Orig KB Elev (ft) 5,030.00	
Completion Type					
Weather Cloudy		Temperature (°F) 45.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Rig Down		Operation Next 24hrs Move In Rig Up, Nipple Up BOP,, Pressure Test BOP, T.I.H.,Drill Out 8 5/8" Shoe Track, Drill 7 7/8" Production Hole			

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
03:30	06:00	2.50	2.50	1	RIGUP & TEARDOWN	Rig Down

<depth>ftKB, <dtm>						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)		Reserve Mud Volume (bbl)	Active Mud Volume (bbl)

BHA #<stringno>, <des>				
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in ²)
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)
String Components				

[illegible]

Daily Contacts	
Job Contact	Mobile

Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

Pump #	Pwr (hp)	Rod Dia (in)
1		
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
6	9.02	0.079
P (psi)	Slow Spd	Strokes (s...
		Eff (%)

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)

Des	Field Est (Cost/unit)	Consumed

Time	Type	Des

Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 5/21/2015
Report #: 4.0, DFS: 0.35
Depth Progress: 872.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131	Surface Legal Location 15-17-3-1	License # FEE
Spud Date 5/1/2015 09:30	Date TD Reached (wellbore)	Rig Release Date
		Ground Elevation (ft) 5,018.00
		Orig KB Elev (ft) 5,030.00

Completion Type

Weather OVC	Temperature (°F) 65.0	Road Condition Good	Hole Condition Good
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Operation At 6am Drilling @ 1950'	Operation Next 24hrs Drill 7 7/8" Production Hole
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24 Hr Summary
M.I.R.U, Nipple Up & Pressure Test BOP, Pick Up Steerable BHA, Slip Drilling Line, Trip In Hole, Tag Cement @ 919', Drill Out 8 5/8" Shoe Track, Drill 7 7/8" Production Hole f/ 1078' to 1950'(872' @ 102.6 fph)

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	09:30	3.50	3.50	1	RIGUP & TEARDOWN	Move In / Rig Up
09:30	13:30	4.00	7.50	14	NIPPLE UP B.O.P	Nipple Up BOP
13:30	16:30	3.00	10.50	15	TEST B.O.P	Pressure Test BOP, Pipe Rams, Blind Rams, Safety Valves, Lines, Choke Manifold 3000 PSI/10 Min. Annular BOP 1500 Psi/10 Min., Casing 1500 Psi/ 30 Min.
16:30	18:00	1.50	12.00	6	TRIPS	Pick Up Bit #1 & Directional Tools, Orient Toolface, Finish Picking Up BHA
18:00	19:30	1.50	13.50	9	CUT OFF DRILL LINE	Cut & Slip 100' Drilling Line
19:30	20:00	0.50	14.00	6	TRIPS	Trip In Hole, Tag Cement Top @ 942'
20:00	21:30	1.50	15.50	22	OPEN	Drill Cement & Float Equipment f/ 942' to 1078'
21:30	06:00	8.50	24.00	2	DRILL ACTUAL	Drill /Slide f/ 1078' to 1950' (872' @ 102.6 fph)

Mud Checks

<depth>ftKB, 5/21/2015 12:00

Type Water	Time 12:00	Depth (ftKB)	Density (lb/gal) 8.30	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
				8.0		0.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 6,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Drill Strings

BHA #1, Steerable

Bit Run 1	Drill Bit 7 7/8in, Z616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-2-WT-M-X-0-WT-PR	TFA (incl Noz) (in²) 1.80	BHA ROP... 51.6
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Nozzles (1/32")

16/16/16/16/16

String Length (ft) 677.50

Max Nominal OD (in) 6.500

String Components

Smith Z616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP

Comment

Smith Z616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG) (6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)

Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq.
Original Hole	1,078.0	1,950.0	872.00	8.50	102.6	394	16	60	950.0	40	60	8,500.0

AFE Number 1705415US

Start Depth (ftKB) 1,078.0	End Depth (ftKB) 1,950.0
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Target Formation Wasatch	Target Depth (ftKB) 9,587.0
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Last Casing String Surface, 1,050.0ftKB

Daily Contacts

Job Contact	Mobile
Scott Seely	435-828-1101
Brent Bascom	970-250-2928

Rigs

Capstar Drilling, 316

Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
Engineering	450.00	1.0
Rental	50.00	1.0
Tax	1.00	3.03
Walnut	14.50	8.0

Safety Checks

Time	Type	Des

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 5/22/2015
Report #: 5.0, DFS: 1.35
Depth Progress: 1.950.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE								
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date								
				Ground Elevation (ft) 5,018.00								
				Orig KB Elev (ft) 5,030.00								
Completion Type												
Weather Rain		Temperature (°F) 62.0		Road Condition Good								
				Hole Condition Good								
Operation At 6am Drilling @ 3900				Operation Next 24hrs Drill 7 7/8" Production Hole								
24 Hr Summary Drill 7 7/8" Production Hole f/ 1950' to 3900' (1950' @ 83 fph) 16-18K wob, 394 gpm, no losses, Lithology - 60% SH 30%SS,10% CLYST, Mahogany Bench Top Expected @ 5499' MD												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	Drill /Slide f/ 1950' to 3029' (1079' @ 98.1 fph) 16k wob, 394 gpm						
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	Rig Service						
17:30	06:00	12.50	24.00	2	DRILL ACTUAL	Drill /Slide f/ 3029' to 3900' (871' @ 69.7 fph) 16k wob, 394 gpm						
Mud Checks												
2,599.0ftKB, 5/22/2015 11:30												
Type Water	Time 11:30	Depth (ftKB) 2,599.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt) 27	PV Override (cP) 0.0	YP OR (lb/100ft²) 1.0						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.0	Solids (%) 1.0						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 3,500.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)		Reserve Mud Volume (bbl)	Active Mud Volume (bbl)						
Drill Strings												
BHA #1, Steerable												
Bit Run 1	Drill Bit 7 7/8in, Z616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-2-WT-M-X-0-WT-PR		TFA (incl Noz) (in²) 1.80	BHA ROP... 51.6						
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 677.50		Max Nominal OD (in) 6.500							
String Components Smith Z616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP												
Comment Smith Z616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	1,950.0	3,900.0	2,822.0 0	32.00	83.0	394	16	60	1,100.0	66	94	10,50 0.0

AFE Number 1705415US		
Start Depth (ftKB) 1,950.0		End Depth (ftKB) 3,900.0
Target Formation Wasatch		Target Depth (ftKB) 9,587.0
Last Casing String Surface, 1,050.0ftKB		
Daily Contacts		
Job Contact		Mobile
Scott Seely		435-828-1101
Brent Bascom		970-250-2928
Rigs		
Capstar Drilling, 316		
Contractor Capstar Drilling		Rig Number 316
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp)	Rod Dia (in)
6	9.02	0.079
Line Size (in)	Stroke (in)	Vol/Stk OR (b...)
6	9.02	0.079
P (psi) 950.0	Slow Spd No	Strokes (s...) 125
		Eff (%) 95
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp)	Rod Dia (in)
6	9.02	0.079
Line Size (in)	Stroke (in)	Vol/Stk OR (b...)
6	9.02	0.079
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)
Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
DAP	35.00	33.0
Engineering	450.00	1.0
Liqui Drill	135.00	2.0
Pallet	20.00	1.0
Rental	50.00	1.0
Shrink Wrap	20.00	1.0
Tax	1.00	91.66
Trucking	1.00	1,200.0
Safety Checks		
Time	Type	Des
Wellbores		
Wellbore Name	KO MD (ftKB)	
Original Hole		



Daily Drilling Report

Report for: 5/23/2015
Report #: 6.0, DFS: 2.35
Depth Progress: 1.165.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE								
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date								
				Ground Elevation (ft) 5,018.00								
				Orig KB Elev (ft) 5,030.00								
Completion Type												
Weather Fair		Temperature (°F) 64.0		Road Condition Good								
				Hole Condition Good								
Operation At 6am Drilling @ 5065'				Operation Next 24hrs Drill 7 7/8" Production Hole								
24 Hr Summary Drill 7 7/8" Production Hole f/ 3900' to 5065' (1165' @ 49.6 fph) 16-18K wob, 394 gpm, no losses, BKG 205 u, Conn.325 u, Peak 1019 u @ 4748' - Lithology - 60% SH 20%SS,20% CLYST, Mahogany Bench Top Expected @ 5499' MD												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	16:00	10.00	10.00	2	DRILL ACTUAL	Drill /Slide f/ 3900' to 4569' (669' @ 66.9 fph) 16k wob, 394 gpm, no losses						
16:00	16:30	0.50	10.50	7	LUBRICATE RIG	Rig Service						
16:30	06:00	13.50	24.00	2	DRILL ACTUAL	Drill /Slide f/ 4569' to 5065 (496' @ 36.7 fph) 16k wob, 394 gpm, no losses						
Mud Checks												
4,270.0ftKB, 5/23/2015 00:00												
Type DAP	Time 00:00	Depth (ftKB) 4,270.0	Density (lb/gal) 8.80	Funnel Viscosity (s/qt) 30	PV Override (cP) 0.0	YP OR (lb/100ft²) 3.5						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.0	Solids (%) 3.5						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 16,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)		Active Mud Volume (bbl)						
Drill Strings												
BHA #1, Steerable												
Bit Run 1	Drill Bit 7 7/8in, Z616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-2-WT-M-X-0-WT-PR	TFA (incl Noz) (in²) 1.80	BHA ROP... 51.6							
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 677.50	Max Nominal OD (in) 6.500								
String Components Smith Z616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP												
Comment Smith Z616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	3,900.0	5,065.0	3,987.0 0	55.50	49.6	394	18	60	1,180.0	84	112	10,10 0.0

AFE Number 1705415US		
Start Depth (ftKB) 3,900.0		End Depth (ftKB) 5,065.0
Target Formation Wasatch		Target Depth (ftKB) 9,587.0
Last Casing String Surface, 1,050.0ftKB		
Daily Contacts		
Job Contact		Mobile
Scott Seely		435-828-1101
Brent Bascom		970-250-2928
Rigs		
Capstar Drilling, 316		
Contractor Capstar Drilling		Rig Number 316
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi) 1,100.0	Slow Spd No	Strokes (s... Eff (%) 125 95
Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Bentonite	7.50	96.0
DAP	35.00	45.0
Engineering	450.00	1.0
Liqui Drill	135.00	3.0
Pallet	20.00	5.0
Rental	50.00	1.0
Sea Mud	15.50	24.0
Shrink Wrap	20.00	5.0
Tax	1.00	273.58
Ultra Lube	1,200.00	1.0
Safety Checks		
Time	Type	Des
Wellbores		
Wellbore Name		KO MD (ftKB)
Original Hole		



Daily Drilling Report

Report for: 5/24/2015
Report #: 7.0, DFS: 3.35
Depth Progress: 945.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE								
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date								
				Ground Elevation (ft) 5,018.00								
				Orig KB Elev (ft) 5,030.00								
Completion Type												
Weather Cloudy		Temperature (°F) 67.0		Road Condition Good								
				Hole Condition Good								
Operation At 6am Drilling @ 6010'				Operation Next 24hrs Drill 7 7/8" Production Hole								
24 Hr Summary Drill 7 7/8" Production Hole f/ 5065' to 6010' (945' @ 40.2 fph) 16-18K wob, 394 gpm, no losses, Mahogany Bench Top @ 5453' BKG 469 u, Conn.1039 u, Peak 2076 u @ 5774' - Lithology - 80% SH,20% CLYST,												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	Drill /Slide f/ 5065' to 5553' (488' @ 46.5 fph) 16k wob, 394 gpm, no losses						
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service						
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drill /Slide f/ 5553' to 6010 (457' @ 35.2 fph) 16k wob, 394 gpm, no losses						
Mud Checks												
5,253.0ftKB, 5/24/2015 11:30												
Type DAP	Time 11:30	Depth (ftKB) 5,253.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 30	PV Override (cP) 4.0	YP OR (lb/100ft²) 6.000						
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 5.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 8.5						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 16,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)		Active Mud Volume (bbl)						
Drill Strings												
BHA #1, Steerable												
Bit Run 1	Drill Bit 7 7/8in, Z616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-2-WT-M-X-0-WT-PR	TFA (incl Noz) (in²) 1.80	BHA ROP... 51.6							
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 677.50	Max Nominal OD (in) 6.500								
String Components Smith Z616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP												
Comment Smith Z616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	5,065.0	6,010.0	4,932.00	79.00	40.2	394	18	60	1,250.0	100	130	10,200.0

AFE Number 1705415US			
Start Depth (ftKB) 5,065.0		End Depth (ftKB) 6,010.0	
Target Formation Wasatch		Target Depth (ftKB) 9,587.0	
Last Casing String Surface, 1,050.0ftKB			
Daily Contacts			
Job Contact		Mobile	
Scott Seely		435-828-1101	
Brent Bascom		970-250-2928	
Rigs			
Capstar Drilling, 316			
Contractor Capstar Drilling		Rig Number 316	
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473	
1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079	
P (psi) 1,180.0	Slow Spd No	Strokes (s...) 125	Eff (%) 95
2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)
Mud Additive Amounts			
Des	Field Est (Cost/unit)	Consumed	
DAP	35.00	50.0	
Engineering	450.00	1.0	
Hole Seal	21.00	42.0	
Liqui Drill	135.00	3.0	
Pallet	20.00	2.0	
Rental	50.00	1.0	
Sawdust	4.50	83.0	
Sea Mud	15.50	22.0	
Shrink Wrap	20.00	2.0	

Safety Checks

Time	Type	Des

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

Report for: 5/25/2015
Report #: 8.0, DFS: 4.35
Depth Progress: 870.00

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	6,010.0	6,880.0	5,802.0 0	102.5 0	37.0	394	18	60	1,425.0	110	140	11,70 0.0

Report for: 5/26/2015
Report #: 9.0, DFS: 5.35
Depth Progress: 1,000.00

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE								
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date								
				Ground Elevation (ft) 5,018.00								
				Orig KB Elev (ft) 5,030.00								
Completion Type												
Weather OVC		Temperature (°F) 67.0		Road Condition Good								
				Hole Condition Good								
Operation At 6am Drilling @ 7880'				Operation Next 24hrs Drill 7 7/8" Production Hole								
24 Hr Summary Drill 7 7/8" Production Hole f/ 6880' to 7880' (1000' @ 42.6 fph) 16-18K wob, 394 gpm, no losses, Douglas Creek Top @ 7624' BKG 533 u, Conn.720 u, Peak 1571 u @ 7624' - Lithology - 70% SH,20% CLYST,10% SS												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	Drill /Slide f/ 6880' to 7435' (555' @ 52.9 fph) 18k wob, 394 gpm, no losses						
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service						
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drill /Slide f/ 7435' to 7880' (445' @ 34.2 fph) 18k wob, 394 gpm, no losses						
Mud Checks												
7,114.0ftKB, 5/25/2015 11:00												
Type DAP	Time 11:00	Depth (ftKB) 7,114.0	Density (lb/gal) 9.50	Funnel Viscosity (s/qt) 31	PV Override (cP) 4.0	YP OR (lb/100ft²) 2.000						
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 7.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 9.0						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 19,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)		Active Mud Volume (bbl)						
Drill Strings												
BHA #1, Steerable												
Bit Run 1	Drill Bit 7 7/8in, Z616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-2-WT-M-X-0-WT-PR	TFA (incl Noz) (in²) 1.80	BHA ROP... 51.6							
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 677.50	Max Nominal OD (in) 6.500								
String Components Smith Z616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP												
Comment Smith Z616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	6,880.0	7,880.0	6,802.0 0	126.0 0	42.6	394	18	60	1,525.0	122	162	13,10 0.0

Rigs			
Capstar Drilling, 316			
Contractor Capstar Drilling		Rig Number 316	
Rig Supervisor Eric Thompson		Phone Mobile 307-259-8473	
1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
6	9.02	0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)
1,425.0	No	125	95
2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
6	9.02	0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 5/27/2015
Report #: 10.0, DFS: 6.35
Depth Progress: 450.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE	
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date	
				Ground Elevation (ft) 5,018.00	
				Orig KB Elev (ft) 5,030.00	
Completion Type					
Weather Rain		Temperature (°F) 65.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am					
Tripping out of Hole for BHA Change, No Mud Loss				Operation Next 24hrs Trip for BHA Change, Drill 7 7/8" Prod Hole	
24 Hr Summary Drill 7 7/8" Prod Hole F/ 7880' T/ 8330' 450' @ 31.03 ft per hr WOB 16-26 GPM 394 RPM 60 Rig Service, Change Out Swivel Hyd Motor F/ Low Torque / High Torque, Circ Bottom Up, Spot 100 bbls 10.2 Kill Mud 45 bbls 12.5 Dry Job, Trip out for BHA Change, Formation Castle Peak, BBG 39, Conn 689, Peak 1593 @ 7980, Lithology 60% LS 40% SH TR CLYST, Formation Topps TVD Douglas Creek 7415, Black Shale 7826, Castle Peak 7955,					

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	13:30	7.50	7.50	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 7880' T/ 8204' 324 @ 43.2 ft per hrs
13:30	14:00	0.50	8.00	7	LUBRICATE RIG	Rig Service
14:00	17:00	3.00	11.00	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 8204' T/ 8247' 43' @ 14.33 ft per hr
17:00	17:30	0.50	11.50	21	OPEN	Change Swivel Hyd Motor F/ Low Torque T/ High Torque
17:30	21:30	4.00	15.50	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 8247' T/ 8330' 83' @ 20.75 ft per hrs
21:30	23:00	1.50	17.00	5	COND MUD & CIRC	Circ Bottom Up, Pump 100 bbls 10.2 ppg Kill Mud Kill 45 bbls 12.5 Dry Job Check for Flow
23:00	06:00	7.00	24.00	6	TRIPS	Trip out of Hole for ROP and Deviation

Mud Checks

8,142.0ftKB, 5/27/2015 12:00

Type DAP	Time 12:00	Depth (ftKB) 8,142.0	Density (lb/gal) 9.60	Funnel Viscosity (s/qt) 32	PV Override (cP) 7.0	YP OR (lb/100ft²) 4.000
Gel 10 sec (lb/100ft²) 7.000	Gel 10 min (lb/100ft²) 15.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 9.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 14,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl) 2500.0	Active Mud Volume (bbl) 952.0		

Drill Strings

BHA #1, Steerable

Bit Run 1	Drill Bit 7 7/8in, Z616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-2-WT-M-X-0-WT-PR	TFA (incl Noz) (in²) 1.80	BHA ROP... 51.6
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 677.50	Max Nominal OD (in) 6.500			

String Components

Smith Z616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP

Comment

Smith Z616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)

Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,880.0	8,330.0	7,252.0	140.5	31.0	394	22	60	1,550.0	128	185	13,000.0

AFE Number 1705415US	
Start Depth (ftKB) 7,880.0	End Depth (ftKB) 8,330.0
Target Formation Wasatch	Target Depth (ftKB) 9,587.0
Last Casing String Surface, 1,050.0ftKB	

Daily Contacts

Job Contact	Mobile
Scott Seely	435-828-1101
Jesse Blanchard	435-828-2649

Rigs

Capstar Drilling, 316

Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi) 1,525.0	Slow Spd No	Strokes (s...) 125
		Eff (%) 95

2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
DAP	35.00	26.0
Engineering	450.00	1.0
Hole Seal	21.00	70.0
Liqui Drill	135.00	4.0
Pallet	20.00	5.0
Rental	50.00	1.0
Sawdust	4.50	130.0
Sea Mud	15.50	108.0
Shrink Wrap	20.00	5.0
Tax	1.00	335.47
Trucking	1.00	1,200.0

Safety Checks

Time	Type	Des

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

Report for: 5/28/2015
Report #: 11.0, DFS: 7.35
Depth Progress: 430.00

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE	
Spud Date 5/1/2015 09:30		Date TD Reached (wellbore)		Rig Release Date	
				Ground Elevation (ft) 5,018.00	
				Orig KB Elev (ft) 5,030.00	
Completion Type					
Weather Sunny		Temperature (°F) 70.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drig 7 7/8 Prod Hole @ 8760' Lost 400 bbls of M ud on Trip				Operation Next 24hrs Drig 7 7/8 Prod Hole TD @ 9554'	
24 Hr Summary C/O Bit & MM, Trip in Hole, Fill & Circ @ 1200, 3200, 5212, 7000, Drill 7 7/8" Prod Hole F/ 8330 T/ 8760' 430' @ 27.74 ft per hr, (WOB 16-20 GPM 390 RPM 50) Rig Service, Formation Wasatch BBG 481, Conn 589, Peak 3822 @ 8488, Trip 11684, Lithology 60% SS 40% SH TR CLYST Tops MD Uteland Butte 8440' Wasatch 8554'					

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	07:30	1.50	1.50	20	DIRECTIONAL WORK	P/U New Bit MM, and Directional Tools
07:30	14:00	6.50	8.00	6	TRIPS	Trip in Hole Fill and Circ @ 1200', 3200', 5212', 7000',
14:00	17:00	3.00	11.00	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 8330' T/ 8418' 88' @ 29.33 ft per hrs
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	Rig Service
17:30	06:00	12.50	24.00	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 8418' T/ 8760' 342' @ 27.36 ft per hr

8,330.0ftKB, 5/28/2015 09:30						
Type DAP	Time 09:30	Depth (ftKB) 8,330.0	Density (lb/gal) 9.60	Funnel Viscosity (s/qt) 32	PV Override (cP) 6.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 10.000	Gel 10 min (lb/100ft²) 19.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 10.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 10,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 400.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl) 2200.0	Active Mud Volume (bbl) 842.0		

BHA #2, Steerable					
Bit Run 2	Drill Bit 7 7/8in, MDI616, JH8048	Length (ft) 1.00	IADC Bit Dull 0-0-NO-None-X-0-NO-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 32.2
Nozzles (1/32") 16/16/16/16/16/16		String Length (ft) 685.73	Max Nominal OD (in) 6.500		

Smith MDI616 s/n JH8048 MDI616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP
Comment
Smith MDI616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	8,330.0	8,760.0	430.00	15.50	27.7	390	18	50	1,450.0	139	195	1,370.0

Mud Additive Amounts			

Des	Field Est (Cost/unit)	Consumed
Barite	10.50	120.0
Brine	7.50	520.0
DAP	35.00	22.0
Engineering	450.00	1.0
Hole Seal	21.00	10.0
Rental	50.00	1.0
Sawdust	4.50	16.0
Sea Mud	15.50	60.0
Tax	1.00	122.94

Time	Type	Des

Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 5/29/2015
Report #: 12.0, DFS: 8.35
Depth Progress: 794.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131	Surface Legal Location 15-17-3-1	License # FEE
Spud Date 5/1/2015 09:30	Date TD Reached (wellbore)	Rig Release Date
		Ground Elevation (ft) 5,018.00
		Orig KB Elev (ft) 5,030.00

Completion Type	Weather Sunny	Temperature (°F) 75.0	Road Condition Good	Hole Condition Good
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Operation At 6am Circ for wire line logs @ 9554 200 bbls Mud Loss	Operation Next 24hrs Circ for wire line logs, Sopt kill mud, Trip out of hole, Run wire line logs, Run 5.5 Prod Casing,
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24 Hr Summary
Drill 7 7/8" Prod Hole F/ 8760' T/ 9554' 794' @ 35.28 ft per hr (WOB 16-20 GPM 390 RPM 50) Rig Service, Circ for Wire Line Logs, Formation Wasatch BBG 470, Conn 3035, Peak 9943 @ 8816, Lithology 60% CLYST 40% SH TR SS

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:00	10.00	10.00	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 8760' T/ 9145' 385' @ 38.5 ft per hr
16:00	16:30	0.50	10.50	7	LUBRICATE RIG	Rig Service
16:30	05:00	12.50	23.00	2	DRILL ACTUAL	Drig 7 7/8 Prod Hole F/ 9145' T/ 9554' 409' @ 32.72 ft per hr
05:00	06:00	1.00	24.00	5	COND MUD & CIRC	Circ for wire line logs

Mud Checks						
8,952.0ftKB, 5/29/2015 09:30						
Type DAP	Time 09:30	Depth (ftKB) 8,952.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 33	PV Override (cP) 5.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 11.000	Gel 10 min (lb/100ft²) 22.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 11.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 28,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 200.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl) 2000.0	Active Mud Volume (bbl) 965.0		

Drill Strings			
BHA #2, Steerable			
Bit Run 2	Drill Bit 7 7/8in, MDI616, JH8048	Length (ft) 1.00	IADC Bit Dull 0-0-NO-None-X-0-NO-TD
Nozzles (1/32") 16/16/16/16/16	String Length (ft) 685.73	TFA (incl Noz) (in²) 1.18	BHA ROP... 32.2

String Components Smith MDI616 s/n JH8048 MDI616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP	Comment Smith MDI616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)
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Drilling Parameters											
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)
Original Hole	8,760.0	9,554.0	1,224.0 0	38.00	35.3	390	18	50	1,550.0	148	207
											15,00 0.0

AFE Number 1705415US	Start Depth (ftKB) 8,760.0	End Depth (ftKB) 9,554.0
Target Formation Wasatch	Target Depth (ftKB) 9,587.0	
Last Casing String Surface, 1,050.0ftKB		

Daily Contacts	
Job Contact	Mobile
Scott Seely	435-828-1101
Jesse Blanchard	435-828-2649

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Aluminum Stear.	130.00	1.0
Barite	10.50	104.0
DAP	35.00	43.0
Engineering	450.00	1.0
Hole Seal	21.00	40.0
Liqui Drill	135.00	4.0
Pallet	20.00	9.0
Rental	50.00	1.0
Sawdust	4.50	79.0
Sea Mud	15.50	114.0
Shrink Wrap	20.00	9.0
Tax	1.00	340.01
Walnut	14.50	5.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 5/30/2015
Report #: 13.0, DFS: 9.35
Depth Progress: 0.00

Well Name: KENDALL 15-17-3-1E

UWI/API 43-047-55131		Surface Legal Location 15-17-3-1		License # FEE		
Spud Date 5/1/2015 09:30	Date TD Reached (wellbore)		Rig Release Date		Ground Elevation (ft) 5,018.00	Orig KB Elev (ft) 5,030.00
Completion Type						
Weather Sunny	Temperature (°F) 75.0		Road Condition Good		Hole Condition Good	
Operation At 6am RIH with 5.5 Prod Casing			Operation Next 24hrs RIH with 5 1/2 Casing, Cement 5 1/2 Casing, Nipple Down & Clean Mud Tanks, Rig Down Move Capstar 316 F/ Kendall 15-17-3-1E T/ Kendall 14-8-3-1E, Rig UP, Nipple UP, Test BOP, P/U BHA, Drlg CMT			

24 Hr Summary

Spot 300 bbls 10.8 ppg Kill Mud F/ 9554' T/ 4550' Pump 40 bbls 12.5 ppg Dry Job, Trip out for wire line logs Stop @ 3017' Circ Hole, RIH to 9562, Log well w/Triple Combo Log (Work Bridge @ 1300' & 1400')Change Out Swivel HYD Motors, P/U CRT Tool, RIH with 5 1/2 17 # CP-80 LTC Prod Casing

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	06:30	0.50	0.50	5	COND MUD & CIRC	Circ for wire line logs, Spot 300 bbls 10.8 ppg Kill Mud F/ 9554' T/ 4550' Pump 40 bbls 12.5 ppg Dry Job
06:30	10:30	4.00	4.50	6	TRIPS	Check for flow, Trip out for wire line logs to 3017'
10:30	11:30	1.00	5.50	11	WIRELINE LOGS	Circ hole with 550 gpm, rotate and reciprocate pipe
11:30	14:30	3.00	8.50	6	TRIPS	Trip out of hole, Held Safety Meeting w/ Payzone, L/D Directional Tools
14:30	22:00	7.50	16.00	11	WIRELINE LOGS	Held Safety Meeting w/ Halliburton R/U for Wire Line Logs, RIH to 9562, Log well w/Triple Combo Log with Neutron Density PE SP Gamma Resistivity Dielectric(Work Bridge @ 1300' & 1400')
22:00	23:00	1.00	17.00	21	OPEN	Change Out Swivel HYD Motors F/ High Torque T/ Low Torque
23:00	06:00	7.00	24.00	12	RUN CASING & CEMENT	Held Safety Meeting w/ Franks CRT hand P/U CRT Tool, RIH with 5 1/2 17 # CP-80 LTC Prod Casing

Mud Checks

9,554.0ftKB, 5/30/2015 11:00

Type DAP	Time 11:00	Depth (ftKB) 9,554.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 33	PV Override (cP) 5.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 11.000	Gel 10 min (lb/100ft²) 22.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 11.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 32,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 100.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl) 1800.0	Active Mud Volume (bbl) 864.0		

Drill Strings

BHA #2, Steerable

Bit Run 2	Drill Bit 7 7/8in, MDI616, JH8048	Length (ft) 1.00	IADC Bit Dull 0-0-NO-None-X-0-NO-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 32.2
Nozzles (1/32") 16/16/16/16/16		String Length (ft) 685.73		Max Nominal OD (in) 6.500	

String Components

Smith MDI616 s/n JH8048 MDI616, MUD MOTOR, UBHO, NMDC, NMDC, Drill Collar, HWDP

Comment

Smith MDI616 (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5", Fixed .16 RPG)(6.5"x3.25"UBHO)(2-6.5"x2.875"NMDC)(1-6.25 x 2.5"DC) (18-4.5"HWDP)

Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	9,554.0	9,554.0	1,224.0 0	38.00		390	18	50	1,550.0	148	207	15.00 0.0

AFE Number 1705415US	
Start Depth (ftKB) 9,554.0	End Depth (ftKB) 9,554.0
Target Formation Wasatch	Target Depth (ftKB) 9,587.0
Last Casing String Production, 9,533.7ftKB	

Daily Contacts

Job Contact	Mobile
Scott Seely	435-828-1101
Jesse Blanchard	435-828-2649

Rigs

Capstar Drilling, 316

Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)

2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b... 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)

Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
Barite	10.50	248.0
DAP	35.00	37.0
Engineering	450.00	1.0
Hole Seal	21.00	45.0
Liqui Drill	135.00	2.0
Pallet	20.00	5.0
Rental	50.00	1.0
Sea Mud	15.50	90.0
Shrink Wrap	20.00	5.0
Tax	1.00	251.38
Trucking	1.00	1,200.0

Safety Checks

Time	Type	Des

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		8. WELL NAME and NUMBER: Kendall 15-17-3-1E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0847 FSL 0587 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		9. API NUMBER: 43047551310000
PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: INDEPENDENCE
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/24/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Crescent Point Energy US Corp reports the first production of hydrocarbons from Kendall 15-17-3-1E on June 24, 2015.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 17, 2015		
NAME (PLEASE PRINT) Kelly Beverlin	PHONE NUMBER 720 880-3635	TITLE Engineering Technician
SIGNATURE N/A	DATE 7/17/2015	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER:					
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
						7. UNIT or CA AGREEMENT NAME					
						8. WELL NAME and NUMBER:					
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						9. API NUMBER:					
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						10 FIELD AND POOL, OR WILDCAT					
2. NAME OF OPERATOR:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:					
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____						PHONE NUMBER: _____		12. COUNTY		13. STATE UTAH	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: AT TOTAL DEPTH:						17. ELEVATIONS (DF, RKB, RT, GL):					
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____					
18. TOTAL DEPTH: MD _____ TVD _____		19. PLUG BACK T.D.: MD _____ TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)					
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)											
24. CASING AND LINER RECORD (Report all strings set in well)											
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED		
25. TUBING RECORD											
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
26. PRODUCING INTERVALS					27. PERFORATION RECORD						
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS			
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>		
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL									
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:			
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY			
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____					

31. INITIAL PRODUCTION**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____

SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Crescent Point Energy
Kendall 15-17-3-1E - Actual

Unitah County
Section 17 T3S, R1E
Your Ref: CAPSTAR 316 RKB @ 5031.3'

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0	0	0	0	0	0	0	0
1224	0.3	158.4	1223.99	-2.98	1.18	-0.61	0.02
1310	0.7	276.3	1309.99	-3.13	0.74	-0.15	1.02
1395	1.7	264.7	1394.97	-3.19	-1.03	1.6	1.2
1481	2.5	258.7	1480.91	-3.68	-4.14	4.75	0.96
1566	3.4	263.7	1565.8	-4.32	-8.46	9.12	1.1
1652	3.8	261.1	1651.63	-5.04	-13.81	14.51	0.5
1738	4.7	270.1	1737.39	-5.47	-20.15	20.82	1.3
1823	5.9	272	1822.03	-5.31	-28	28.5	1.43
1908	5.6	263.7	1906.6	-5.62	-36.49	36.9	1.04
1993	6.8	266.1	1991.1	-6.41	-45.63	46.03	1.44
2079	8.2	264.6	2076.37	-7.34	-56.82	57.2	1.64
2164	9.1	259.3	2160.4	-9.15	-69.46	69.95	1.41
2250	10.5	258.4	2245.14	-11.99	-83.82	84.59	1.64
2336	11.9	257.9	2329.5	-15.43	-100.17	101.29	1.63
2421	13.3	259.3	2412.46	-19.08	-118.34	119.83	1.69
2506	14.2	259.1	2495.02	-22.87	-138.19	140.03	1.06
2592	16	263.5	2578.05	-26.2	-160.32	162.4	2.48
2678	16.7	262.9	2660.57	-29.07	-184.36	186.56	0.84
2763	18	264.3	2741.7	-31.89	-209.55	211.83	1.61
2849	19.4	262.6	2823.16	-35.05	-236.94	239.33	1.75
2934	20.9	263.2	2902.96	-38.66	-265.99	268.55	1.78
3020	22.8	263.4	2982.77	-42.39	-297.78	300.48	2.21
3106	23.3	263	3061.91	-46.38	-331.22	334.08	0.61
3191	24.35	264.3	3139.66	-50.17	-365.34	368.31	1.38
3277	25.1	263.1	3217.78	-54.12	-401.09	404.18	1.05
3363	25.1	262.5	3295.66	-58.69	-437.28	440.59	0.3
3448	26	262.5	3372.35	-63.48	-473.63	477.19	1.06
3534	25.4	261	3449.84	-68.82	-510.54	514.45	1.03
3619	25.9	259.6	3526.46	-75.03	-546.8	551.24	0.92
3705	25.9	260.3	3603.82	-81.58	-583.79	588.8	0.36
3790	25.7	257.8	3680.35	-88.61	-620.1	625.79	1.3

3876	24.4	258.4	3758.26	-96.12	-655.73	662.19	1.54
3962	21.5	260.3	3837.45	-102.35	-688.67	695.72	3.48
4047	20.4	260.8	3916.83	-107.34	-718.65	726.1	1.31
4132	20.7	261.5	3996.42	-111.93	-748.13	755.92	0.46
4218	20.8	262.2	4076.84	-116.25	-778.3	786.36	0.31
4303	20.3	261	4156.43	-120.6	-807.81	816.17	0.77
4389	19.7	260.5	4237.25	-125.33	-836.84	845.58	0.73
4474	19.3	262.7	4317.37	-129.48	-864.91	873.92	0.98
4560	20.5	262.3	4398.23	-133.3	-893.93	903.15	1.4
4645	21.1	264.7	4477.7	-136.71	-923.91	933.25	1.23
4731	22.5	263.3	4557.54	-140.06	-955.67	965.08	1.74
4817	23.4	261.6	4636.74	-144.47	-988.91	998.56	1.3
4902	23.8	262.6	4714.63	-149.15	-1022.61	1032.55	0.67
4988	23.6	264.5	4793.38	-153.03	-1056.96	1067.02	0.92
5073	22.8	265.5	4871.5	-155.96	-1090.31	1100.34	1.05
5159	22.2	267.4	4950.96	-158	-1123.16	1132.99	1.1
5245	19.7	267.8	5031.26	-159.3	-1153.88	1163.42	2.91
5330	18.1	264.3	5111.68	-161.16	-1181.33	1190.74	2.31
5416	16.2	259.1	5193.86	-164.75	-1206.41	1216.05	2.84
5501	15.2	259.6	5275.69	-169.01	-1229.02	1239.05	1.19
5587	15	256.4	5358.72	-173.66	-1250.92	1261.44	1
5672	14.9	260.7	5440.84	-178.01	-1272.4	1283.35	1.31
5758	13.2	262.7	5524.27	-181.05	-1293.05	1304.21	2.06
5843	11.6	261.7	5607.28	-183.51	-1311.13	1322.44	1.9
5929	10.4	260.2	5691.7	-186.08	-1327.34	1338.84	1.43
6014	9.4	261	5775.44	-188.47	-1341.76	1353.45	1.19
6100	8.8	261.5	5860.35	-190.55	-1355.2	1367.04	0.7
6185	7.9	258.2	5944.45	-192.7	-1367.35	1379.38	1.2
6271	6.5	260.7	6029.77	-194.7	-1377.94	1390.16	1.67
6356	4.5	251.4	6114.38	-196.54	-1385.85	1398.27	2.57
6442	3.5	241.2	6200.17	-198.88	-1391.34	1404.11	1.42
6527	4.3	269.2	6284.98	-200.17	-1396.81	1409.71	2.4
6613	2.9	271.9	6370.81	-200.15	-1402.2	1415.01	1.64
6699	2.2	292.7	6456.72	-199.44	-1405.9	1418.52	1.34
6784	0.9	300.1	6541.69	-198.47	-1407.98	1420.38	1.54
6870	0.9	60.5	6627.68	-197.8	-1407.98	1420.26	1.82
6956	1.4	77.9	6713.67	-197.25	-1406.36	1418.57	0.7
7041	2.1	71.8	6798.63	-196.54	-1403.87	1415.98	0.85
7127	1.6	80.7	6884.58	-195.86	-1401.19	1413.22	0.67
7212	2.2	59.9	6969.54	-194.85	-1398.61	1410.5	1.06
7297	1.3	51.6	7054.5	-193.43	-1396.44	1408.1	1.1
7383	0.4	27.4	7140.49	-192.56	-1395.54	1407.06	1.1
7468	0.3	45.6	7225.48	-192.14	-1395.24	1406.69	0.17
7554	0.3	222.7	7311.48	-192.15	-1395.23	1406.68	0.7
7640	0.6	239.5	7397.48	-192.54	-1395.77	1407.29	0.38
7725	1.2	227.9	7482.47	-193.36	-1396.82	1408.46	0.73
7811	2.4	195.1	7568.43	-195.71	-1397.95	1410.02	1.79

7896	2.4	188	7653.35	-199.19	-1398.67	1411.36	0.35
7982	2.7	172.6	7739.27	-202.98	-1398.65	1412.05	0.87
8067	2.8	169.8	7824.17	-207.01	-1398.03	1412.18	0.2
8152	3.8	178.9	7909.03	-211.87	-1397.61	1412.67	1.32
8238	4.1	174.8	7994.83	-217.78	-1397.27	1413.44	0.48
8323	4.1	179.9	8079.61	-223.84	-1396.99	1414.28	0.43
8408	2.4	210	8164.47	-228.42	-1397.88	1416	2.77
8494	2.2	205.3	8250.41	-231.48	-1399.48	1418.14	0.32
8580	2.3	204.1	8336.34	-234.54	-1400.89	1420.1	0.13
8665	2.1	199.9	8421.28	-237.56	-1402.12	1421.86	0.3
8750	2.1	203.7	8506.22	-240.45	-1403.28	1423.53	0.16
8836	2.1	197.6	8592.16	-243.4	-1404.39	1425.17	0.26
8921	2.1	196.1	8677.1	-246.38	-1405.29	1426.61	0.06
9007	2.2	203.7	8763.04	-249.41	-1406.39	1428.25	0.35
9093	2	207.4	8848.99	-252.25	-1407.74	1430.11	0.28
9178	2.1	208.9	8933.93	-254.93	-1409.18	1432.01	0.13
9264	2	205.5	9019.88	-257.66	-1410.59	1433.9	0.18
9349	2.1	207.6	9104.82	-260.38	-1411.95	1435.74	0.15
9435	1.9	206.5	9190.77	-263.05	-1413.31	1437.58	0.24
9502	1.9	203.2	9257.73	-265.07	-1414.25	1438.87	0.16
9554	1.9	203.2	9309.7	-266.65	-1414.93	1439.83	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North.
Vertical depths are relative to Kendall 15-17-3-1E. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 259.327° (True).

Coordinate System is North American Datum 1983 US State Plane 1983, Utah Central Zone.

Central meridian is -111.500°.

Grid Convergence at Surface is 1.025°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 9554.00ft.,
the Bottom Hole Displacement is 1439.83ft., in the Direction of 259.327° (True).

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		8. WELL NAME and NUMBER: Kendall 15-17-3-1E
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0847 FSL 0587 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		9. API NUMBER: 43047551310000
PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: INDEPENDENCE
COUNTY: UINTAH		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/18/2015				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached application to commingle production formations for
 Kendall 15-17-3-1E

Approved by the
March 24, 2016
Oil, Gas and Mining

Date: _____

By: Derek Duff

NAME (PLEASE PRINT) Valari Cray	PHONE NUMBER 303 880-3637	TITLE Drilling And Completion Tech
SIGNATURE N/A	DATE 8/18/2015	



555 17th Street, Suite 1800
Denver, CO 80202
Phone: (720) 880-3610

August 17, 2015

Utah Division of Oil, Gas & Mining
Attention: Dustin Doucet
1594 West North Temple, Suite 1120
Salt Lake City, Utah 84116

RE: Sundry Notices
Kendall 15-17-3-1E
Uintah County, UT

Dear Mr. Doucet:

Crescent Point Energy has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the subject well. Pursuant to the Utah OGM regulations, we have enclosed a copy of the Sundry Notice, a plat showing the owners of contiguous leases, as well as an affidavit confirming notice.

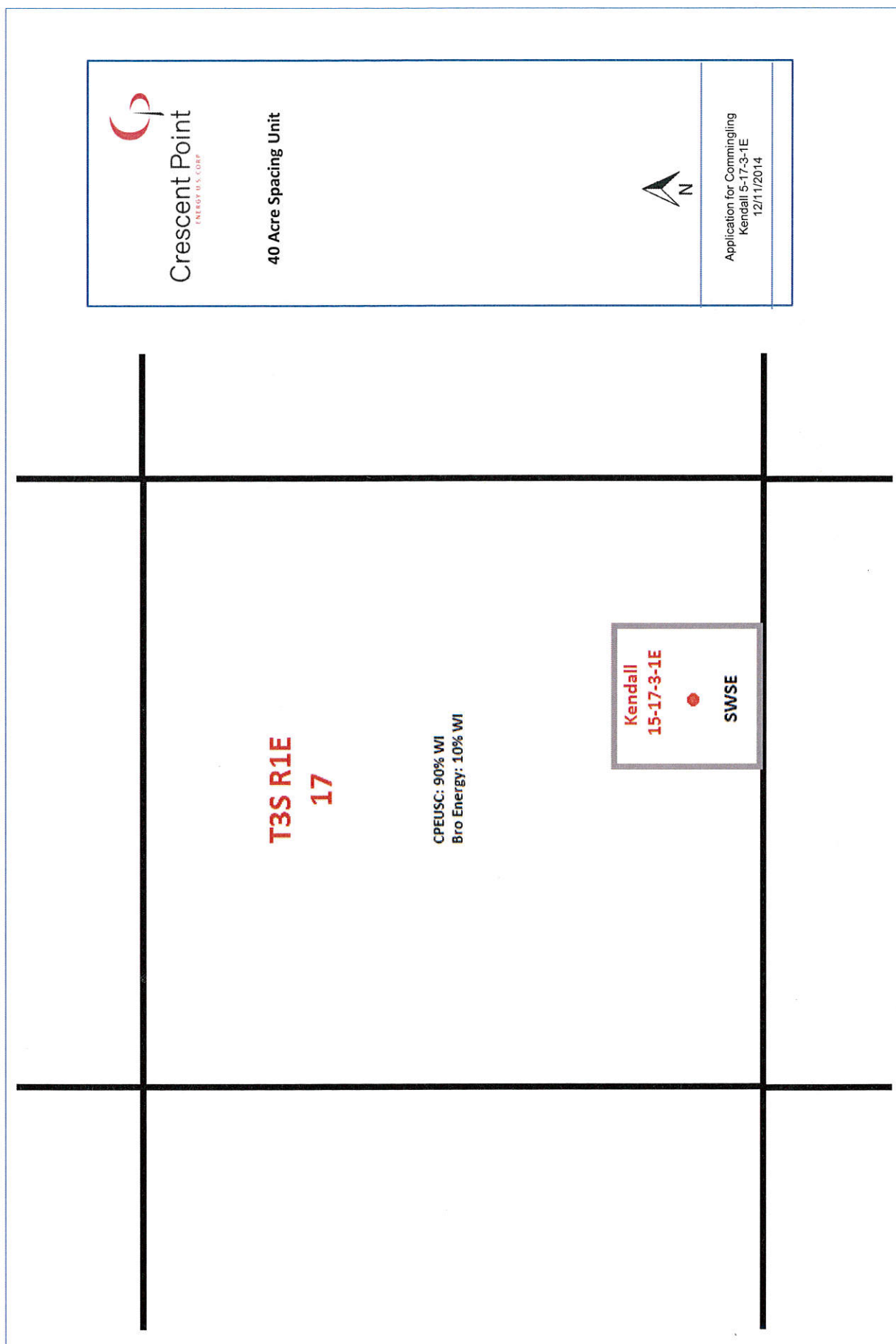
If you should have any questions regarding these Sundry Notices, please feel free to contact me at 303-382-6794.

Sincerely,

A handwritten signature in blue ink, appearing to read 'A. Stone', with a long horizontal stroke extending to the right.

Andrew M. Stone
Land Consultant

Enclosures



In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two Or More Pools, Crescent Point Energy is submitting this sundry to request commingling approval for the Wasatch and Green River formations based on the following conclusions:

- Oil and associated gas compositions are similar across all formations.
- The respective well is located within a 40-acre unspaced unit
- The pressure profile across the formations is similar and Crescent Point Energy does not anticipate any cross flow.
- Following commingling, production will be considered to be from one pool.
- In the event that allocation by zone or interval is required, Crescent Point Energy would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval.

A letter, an affidavit(s) of notice, and plat are attached.

AFFIDAVIT OF NOTICE

Andrew M. Stone, of lawful age, after having first duly sworn upon his oath, disposes and states:

That he is employed by Crescent Point Energy U.S. Corp. ("Crescent Point") as a Land Consultant. Crescent Point has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Randlett Exploration and Development Agreement Area:

Kendall 15-17-3-1E

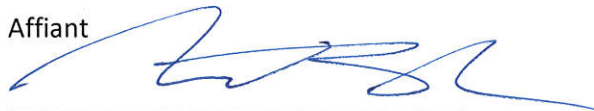
SWSE Section 17 T3S-R1E

That in compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notices to the owners of all contiguous oil and gas leases or drilling units overlying the pool, however, Crescent Point is an owner as well as the following:

Bro Energy LLC
4834 S Highland Drive
Crescent Point, Suite 200
Salt Lake City, UT 84117

Date: August 17, 2015

Affiant



Andrew M. Stone
Land Consultant